Supreme Court of the United States

OCTOBER TERM, 1933

No. 440

BENJAMIN F. LINDHEIMER AND OTHERS, CONSTITUTING THE ILLINOIS COMMERCE COMMISSION OF THE STATE OF ILLINOIS; OTTO KERNER, ATTORNEY GENERAL OF THE STATE OF ILLINOIS, AND THE CITY OF CHICAGO, APPELLANTS,

vs.

ILLINOIS BELL TELEPHONE COMPANY

No. 548

ILLINOIS BELL TELEPHONE COMPANY, APPELLANT,

vs.

BENJAMIN F. LINDHEIMER AND OTHERS, CONSTITUTING THE ILLINOIS COMMERCE COMMISSION OF THE STATE OF ILLINOIS; OTTO KERNER, ATTORNEY GENERAL OF THE STATE OF ILLINOIS, AND THE CITY OF CHICAGO

APPEALS FROM THE DISTRICT COURT OF THE UNITED STATES FOR THE NORTHERN DISTRICT OF ILLINOIS

FILED SEPTEMBER 5, 1933

FILED OCTOBER 30, 1933

SUPREME COURT OF THE UNITED STATES

OCTOBER TERM, 1933

No. 440

BENJAMIN F. LINDHEIMER AND OTHERS, CONSTITUTING THE ILLINOIS COMMERCE COMMISSION OF THE STATE OF ILLINOIS; OTTO KERNER, ATTORNEY GENERAL OF THE STATE OF ILLINOIS, AND CITY OF CHICAGO, APPELLANTS,

vs.

ILLINOIS BELL TELEPHONE COMPANY

APPEAL FROM THE DISTRICT COURT OF THE UNITED STATES FOR THE NORTHERN DISTRICT OF ILLINOIS

VOL. IV

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JUDD & DETWEILER (INC.), PRINTERS, WASHINGTON, D. C., SEPTEMBER 20, 1933

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[fol. 2683] EXHIBIT A-1

Illinois Bell Telephone Company, Chicago Area

Final Summary, June 30, 1923

I. C. C. Account		Cost of Reproduction
207-01	Right of Way—Exchange	$340,761
207-02	Right of Way—Toll	2,611
211	Land	1,781,774
212	Buildings	13,690,978
221	Central Office Telephone Equipment	30,442,545
222	Other Equipment of Central Offices	847,150
231	Station Apparatus	9,903,479
232	Station Installations	7,180,006
233	Interior Block Wires	38,965
234	Private Branch Exchanges	5,192,846
235	Booths and Special Fittings	508,127
241	Exchange Pole Lines	3,259,502
242	Exchange Aerial Cable	3,885,604
243	Exchange Aerial Wire	2,380,134
244	Exchange Underground Conduit	20,370,111
245	Exchange Underground Cable	20,244,068
246	Exchange Submarine Cable	1,051
251	Toll Pole Lines	129,991
252	Toll Aerial Cable	9,220
253	Toll Aerial Wire	166,771
254	Toll Underground Conduit	736,754
255	Toll Underground Cable	1,371,615
256	Toll Submarine Cable	
	Miscellaneous (Pict. transm. equip't, etc.)	1,044
	Omissions and Contingencies	551,264
	Total	$123,036,371
	Engineering—5%	6,151,819
	Administrative and Legal—2%	2,460,727
	Insurance	443,520
	Taxes during Construction	2,163,856
	Interest during Construction	9,604,676
	Total Structural Plant	$143,860,969
	General Equipment	1,387,375
	Total	$145,248,344
	Adjustment in Station Installation Account	583,465

I. C. C. Account	Cost of Reproduction
Undistributed Construction Costs	98,755
Total Adjustment	$682,220
Total	$144,566,124

[fol. 2684] Cost of Reproduction of Property of Illinois Bell Telephone Company

Chicago Area

December 31, 1923

[fol. 2685] Exhibit A-2

Illinois Bell Telephone Company, Chicago Area

December 31, 1923

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[fol. 2686] Illinois Bell Telephone Company, Chicago Area

Final Summary, December 31, 1923

I. C. C. Account		Cost of Reproduction
207–01	Right of Way—Exchange	$364,130
207–02	Right of Way—Toll	2,656
211	Land	2,017,821
212	Buildings	13,922,895
221	Central Office Telephone Equipment	31,350,450
222	Other Equipment of Central Offices	841,928
231	Station Apparatus	10,322,633
232	Station Installations	6,539,138
233	Interior Block Wires	36,698
234	Private Branch Exchanges	5,445,772
235	Booths and Special Fittings	498,926
241	Exchange Pole Lines	3,373,904
242	Exchange Aerial Cable	3,909,636
243	Exchange Aerial Wire	2,342,593
244	Exchange Underground Conduit	20,756,618
245	Exchange Underground Cable	21,436,984
246	Exchange Submarine Cable	1,068
251	Toll Pole Lines	135,341
252	Toll Aerial Cable	9,476
253	Toll Aerial Wire	163,641
254	Toll Underground Conduit	737,886
255	Toll Underground Cable	1,421,795
256	Toll Submarine Cable	
	Miscellaneous (Pict. transm. equip't, etc.)	16,982
	Omissions and Contingencies	539,236
	Total	$126,188,207
	Engineering—5%	6,309,410
	Administrative and Legal—2%	2,523,764
	Insurance	390,045
	Taxes during Construction	2,220,912
	Interest during Construction	9,905,774
	Total Structural Plant	$147,538,112
	General Equipment	1,509,746
	Total	$149,047,858

[fol. 2687] Illinois Bell Telephone Company, Chicago Area

Cost of Reproduction of Plant in Service Exclusive of Land, Buildings and Capitalized Overheads as of December 31, 1923

J. C. C. Account		Cost of Reproduction June 30, 1923 at Dec. 31, 1923 Cost Level	Gross Additions July 1 to Dec. 31, 1923 at Dec. 31, 1923 Cost Level	Retirements July 1 to Dec. 31, 1923 at Dec. 31, 1923 Cost Level	Cost of Reproduction Dec. 31, 1923
207-01	Right of Way—Exch	$346,622	$15,193	$2,315*	$364,130
207-02	Right of Way—Toll	2,656			2,656
221	C. O. Telephone Equip	30,328,069	1,198,089	175,708	31,350,450
222	Other Equip. of C. O.	821,905	41,353	21,330	841,928
231	Station Apparatus	9,764,830	1,208,645	650,842	10,322,633
232	Station Installations	6,291,121	603,013	354,996	6,539,138
233	Interior Block Wires	36,705	7*		36,698
234	Private Branch Exchanges	5,185,004	539,475	278,707	5,445,772
235	Booths & Spl. Fittings	504,113	13,013	18,200	498,926
241	Exchange Poll Lines	3,308,802	122,868	57,766	3,373,904
242	Exchange Aerial Cable	3,845,971	142,970	79,305	3,909,636
243	Exchange Aerial Wire	2,223,283	184,208	64,898	2,342,593
244	Exchange U. G. Conduit	20,400,666	386,915	30,963	20,756,618
245	Exchange U. G. Cable	20,563,924	1,055,354	182,294	21,436,984
246	Exchange Submarine Cable	1,068			1,068
251	Toll Pole Lines	134,814	1,502	975	135,341
252	Toll Aerial Cable	9,476			9,476
253	Toll Aerial Wire	163,169	472		163,641
254	Toll U. G. Conduit	737,859	27		737,886
255	Toll U. G. Cable	1,407,277	14,833	315	1,421,795
256	Toll Submarine Cable				
	Miscellaneous	1,044	15,938		16,982
	Total	$106,078,378	$5,543,861	$1,913,984	$109,708,255

* Red.

Illinois Bell Telephone Company, Chicago Area

Total Plant.

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads June 30, 1923	% Ratio of Dec. 31, 1923 Cost Level to June 30, 1923 Cost Level	Cost of Reproduction of June 30, 1923 at Cost Level of Dec. 31, 1923
207-01	Right of Way—Exchange	$340,761	101.72	$346,622
207-02	Right of Way—Toll	2,611	101.72	2,656
221	Cent. Office Tel. Equip't.			
	Manual—Local Exchange	23,759,535	101.20	24,044,649
	Local Tandem	56,059	100.88	56,552
	Toll—I. B. T.	598,962	101.92	610,462
	Toll Recording—I. B. T.	70,842	101.92	72,202
	Toll—Long Lines	741,764	101.92	756,006
	Toll— Telephone Term. Equip't.	206,501	100.00	206,501
	Telegraph Equip't.	521,644	100.00	521,644
	Dial	4,487,238	90.48	4,060,053
	Total	$30,442,545		$30,328,069
		847,150	97.02	821,905
222	Other Equip't. of Cent. Off.	9,903,479	98.60	9,764,830
231	Station Apparatus Exchange Equip't.	.....	.....	.....
	Teletypewriter Equip't	.....		
	Total	$9,903,479		$9,764,830
		6,596,541	95.37	6,291,121
232	Station Installations	38,965	94.20	36,705
233	Interior Block Wires			
234	Private Branch Exchanges	3,634,992	100.05	3,636,809
	Non-Multiple	1,557,854	99.38	1,548,195
	Multiple			
	Total	$5,192,846		$5,185,004
		508,127	99.21	504,113
235	Booths and Special Fittings	3,259,502	101.51	3,308,802
241	Exchange Pole Lines	3,885,604	98.98	3,845,971
242	Exchange Aerial Cable			

Illinois Bell Telephone Company, Chicago Area

Total Plant

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads June 30, 1923	% Ratio of Dec. 31, 1923 Cost Level to June 30, 1923 Cost Level	Cost of Reproduction of June 30, 1923 at Cost Level of Dec. 31, 1923
243	Exchange Aerial Wire	2,380,134	93 41	2,223,283
244	Exchange Underground Conduit	20,370,111	100 15	20,400,666
245	Exchange Underground Cable	20,244,068	101 58	20,563,924
246	Exchange Submarine Cable	1,051	101 58	1,068
251	Toll Pole Lines	129,991	103 71	134,814
252	Toll Aerial Cable	9,220	102 78	9,476
253	Toll Aerial Wire	166,771	97 84	163,169
254	Toll Underground Conduit	736,754	100 15	737,859
255	Toll Underground Cable	1,371,615	102 60	1,407,277
256	Toll Submarine Cable			
	Miscellaneous	1,044	100 00	1,044
	Total	$106,428,890		$106,078,378

[fol. 2689]

Illinois Bell Telephone Company, Chicago Area

Gross Additions, July 1 to December 31, 1923

I. C. C. Account		Gross Additions as per Books	Gross Additions as per Books Exclusive of Capitalized Overheads	% Ratio of Dec. 31, 1923 Cost Level to Average Cost Level of July-Dec. 1923	Gross Additions at Cost Level of Dec. 31, 1923
207-01	Right of Way—Exchange	$17,319	$15,102	100.69	$15,193
207-02	Right of Way—Toll				
221	Cent. Office Tel. Equip.				
	Manual—Local Exchange	826,253	788,741	96 93	764,527
	Local Tandem				
	Toll—I. B. T.	938	895	102 03	913

	Toll Recording—I. B. T.				
	Toll—Long Lines				
	Toll—Telephone Term. Equip.	53.730	51.291	100.00	51.291
	Telegraph Equip.	13.570	12.954	100.00	12.954
	Dial	421.833	407.617	90.38	368.404
	Total	$1,316,324	$1.261.498		$1,198,089
222	Other Equip. of Cent. Off.	41.987	41.987	98.49	41,353
231	Station Apparatus Exchange Equipment	1.142.369	1.138.942	106.12	1,208,645
232	Station Installations	679,145	606.137	99.49	603,013
233	Interior Block Wires	8*	7*	95.07	7*
234	Private Branch Exchanges				
	Non-Multiple	447.845	438.082	100.71	441,192
	Multiple	101.209	97.930	100.36	98.283
	Total	$549.054	$536.012		$539.475
235	Booths & Special Fittings	13.257	13.013	100.00	13,013
241	Exchange Pole Lines	130.048%	122.505	100.30	122.868
242	Exchange Aerial Cable	152.924%	142.984	99.99	142.970
243	Exchange Aerial Wire	203.534%	192.747	95.57	184.208
244	Exchange Underground Conduit	429.061%	385.297	100.42	386.915
245	Exchange Underground Cable	1,093.870%	1.040.270	101.45	1,055,354
246	Exchange Submarine Cable				
251	Toll Pole Lines	1.572%	1.487	101.03	1,502
252	Toll Aerial Cable				
253	Toll Aerial Wire	519%	501	94.18	472.
254	Toll Underground Conduit	30%	27	100.42	27
255	Toll Underground Cable	14.861%	14.475	102.47	14,833
256	Toll Submarine Cable				
	Miscellaneous	16.777	15.938	100.00	15,938
	Total	$5.802.643	$5.528.915		$5,543,861

*Red.
% Adjusted.

Illinois Bell Telephone Company, Chicago Area

Retirements, July 1 to December 31, 1923

I. C. C. Account		Retirements as per Books	% Ratio of Dec. 31, 1923, Cost Level (Excl. of Cap. Overheads) to Avg. Retirement Cost Level of July 1 to Dec. 31, 1923	Retirements at Cost Level of Dec. 31, 1923, Exclusive of Overheads
207 01	Right of Way—Exchange	$1 610*	143 76	$2 315*
207 02	Right of Way—Toll			
221	Cent. Office Tel. Equip't.			
	Manual—Local Exchange	70 843	177 04	125 420
	Local Tandem			
	Toll—I. B. T.	4 857	93 55	4,544
	Toll—Recording—I. B. T.			
	Toll—Long Lines			
	Toll—Tel. Term. Equip't.	3,691	98 47	3,635
	Telegraph Equip't.	30,735	118 16	36,318
	Dial	6,630	87 35	5,791
	Total	$116,756		$175,708
222	Other Equip't. of Cent. Off.	22 665	94 11	21,330
231	Station Apparatus Exchange Equipment	561,718	115 87	650,842
232	Station Installations	332,611	106 73	354,996
233	Interior Block Wires			
234	Private Branch Exchanges			
	Non-Multiple	239,921	108 66	260,698
	Multiple	12,099	148 85	18,009
	Total	$252,020		$278,707
235	Booths and Special Fittings	18,541	98 16	18,200
241	Exchange Pole Lines	37,192	155 32	57,766

242	Exchange Aerial Cable	62.376	127.14	[redacted]
243	Exchange Aerial Wire	60.777	103.78	
244	Exchange Underground Conduit	14.159	218.68	
245	Exchange Underground Cable	156.261	116.66	
246	Exchange Submarine Cable			
251	Toll Pole Lines	624	153.32	975
252	Toll Aerial Cable			
253	Toll Aerial Wire			
254	Toll Underground Conduit			
255	Toll Underground Cable			
256	Toll Submarine Cable	307	102.65	315
	Miscellaneous			
	Total	$1.634.397		$1.913.984

Red.

[fol. 2691] Illinois Bell Telephone Company, Chicago Area

Account 207 Right of Way

Cost Trend, June 30 to Dec. 31, 1923

	Quan.	Average Monthly Rates of Pay 6 30 23	7-1 to 12-31	12 31 23
Right of Way Agent	1	$200 00	$202 26	$203 57
Plant Supervision and Tool Expense		16 60	16 79	16 75
Transportation Cost		8 80	8 85	8 95
Total Cost		$225 40	$227 90	$229 27

Ratio Dec. 31, 1923 to June 30, 1923	101 72%
" " " " " July-December Average	100 60%

[fol. 2692] Illinois Bell Telephone Company, Chicago Area

Account 207-01 Right of Way Exchange

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book Cost, including capitalized overheads, of plant in service June 30, 1923	$241,113
Appraisal Cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	346,622
Ratio of Dec. 31, 1923 cost to Book Cost	143 76%

[fol. 2693] Illinois Bell Telephone Company, Chicago Area

Account 207-02 Right of Way Toll

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book Cost, including capitalized overheads, of plant in service June 30, 1923	$1,662
Appraisal Cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	2,656
Ratio of Dec. 31, 1923 cost to Book Cost	159.81%

[fol. 2694] Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual Local Exchange

Composite Material and Labor Cost Trend

Total Plant, June 30 to Dec. 31, 1923

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
Sections, "A" Board	Sect.	927	$519,769	$519,769
Cord circuits, subscriber	Cct.	47,277	1,715,682	1,926,065
Subscriber answering jacks	"	330,800	2,474,384	2,477,692

	Unit	Quan.	Cost 6 30 23	Cost 12 31 23
Outgoing trunk multiple jacks	Jack	1,981,300	970,837	970,837
Message registers	Ea.	122,830	520,799	520,799
Outgoing call wire circuits	Cct.	268,367	206,643	230,796
Sections, "B" Board	Sect.	663	363,715	357,145
Subscriber multiple jacks	Jack	5,887,740	4,769,069	4,769,069
Incoming trunk circuits				
Call wire Straightforward	Cct.	56,599	1,688,348	1,739,853
Key display call indicator	"	3,950	254,657	256,197
Frames and protectors	C. Lines	7,174	744,087	750,257
Power plants	Ea.	34	541,803	568,372
Total Material Cost			$14,769,793	$15,086,851
Equipment Specifications			827,108	814,690
Installation Cost			3,618,599	3,545,410
Total Cost Installed			$19,215,500	$19,446,951

Ratio Dec. 31, 1923 to June 30, 1923 Cost Installed 101.20%

[fol. 2695] Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual Local Exchange

Composite Material and Labor Cost Trend

Gross Additions, June 30 to Dec. 31, 1923

	Unit	Quan.	Avg. Cost 7 1 to 12 31	Cost 12 31 23
Positions				
"A" Board	Pos.	311	$195,777 61	$215,392 38
Call circuit, "B" Board	"	122	175,621 44	180,013 44
Straightforward	"			
Key display call indicator	"	2	6,189 40	6,226 28
Automatic display call indicator	"			
Straightforward applique	"			
Outgoing call wire circuits	Cct.	26,187	20,687 73	22,520 82
Sections, "A" Board	Sect.	105	58,873 50	58,873 50
" "B" "	"	64	35,098 64	34,475 52
Subscriber multiple jacks	Jack	691,800	560,358 00	560,358 00
" answering jacks	Cct.	36,240	271,075 20	271,437 60
Message registers	Ea.	71,800	304,432 00	304,432 00
Outgoing trunk multiple jacks	Jack	330,840	162,111 60	162,111 60
Battery, 24 volt	Ea.	4	13,726 72	13,726 72
" 48 "	"	2	1,940 92	1,940 92
Charging sets	"	5	9,470 70	10,003 15
Ringing sets	"	4	4,180 24	4,180 24
Total Material Cost			$1,819,453 70	$1,845,692 17
Equipment Specifications			109,167 22	99,667 38
Installation Costs			525,822 12	433,737 66
Total Cost Installed			$2,454,443 04	$2,379,097 21

Ratio Dec. 31, 1923 to July to Dec. Average Cost Installed 96.93%

[fol. 2696] Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual Local Exchange

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Original cost, including capitalized overheads, of retirements analyzed	$410,898
Dec. 31, 1923 cost, exclusive of capitalized overheads, of retirements analyzed	727,436
Ratio of Dec. 31, 1923 cost to original cost	177.04%

[fol. 2697] Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual Local Tandem

Composite Material and Labor Cost Trend

Total Plant, June 30 to Dec. 31, 1923

	Unit	Quan.	Cost 6 30 23	Cost 12 31 23
Sections, tandem	Sect.	15	$8,228 85	$8,080 20
Outgoing trunk multiple jacks	Jack	15,000	7,350 00	7,350 00
Outgoing call wire circuits	Cct.	2,880	2,217 60	2,476 80
Incoming trunk circuits				
Call wire	"	770	22,969 10	23,669 80
Key display call indicator	"	90	5,802 30	5,837 40
Straightforward applique	"			
Total Material Cost			$46,567 85	$47,414 20
Equipment Specifications			2,607 80	2,560 37
Installation Cost			11,409 12	11,142 34
Total Cost Installed			$60,584 77	$61,116 91
Ratio Dec. 31, 1923 to June 30, 1923 Cost Installed				100.88%

[fol. 2698] Illinois Bell Telephone Company, Chicago Area

Account 221—Central Office Telephone Equipment

Manual—Local Tandem

Composite Material and Labor Cost Trend

Gross Additions, June 30 to Dec. 31, 1923

No Gross Additions during this period.

[fol. 2699] Illinois Bell Telephone Company, Chicago Area

Account 221—Central Office Telephone Equipment

Manual—Toll—I. B. T. and Long Lines

Composite Material and Labor Cost Trend

Total Plant, June 30 to Dec. 31, 1923

	Unit	Quan.	Cost 6 30 23	Cost 12 31 23
Sections, toll	Sect.	182	$71,393	$74,123
Toll primary answering jacks	Cct.	1,310	12,091	12,104
Toll secondary answering jacks	Jack	5,290	18,832	18,885
Toll cord circuits	Cct.	2,554	128,492	141,773
" recording trunk ans. jacks	Jack	9,140	20,318	20,291
Toll line multiple jacks	"	44,880	117,406	117,586
" recording cord circuit	Cct.	180	4,932	6,336
" outgoing trunk multiple jacks	Jack	309,000	152,492	151,410
Frames and protectors	C Lines	215	22,300	22,485
Power plants	Ea.	1	15,935	16,717
Total Material Cost			$564,191	$581,710
Equipment Specifications			31,595	30,831
Installation Cost			138,227	135,538
Total Cost, Installed			$734,013	$748,079

Ratio Dec. 31, 1923 to June 30, 1923 Cost Installed 101.92%

Above ratio used on Manual Toll Recording Switchboard.

[fol. 2700] Illinois Bell Telephone Company, Chicago Area

Account 221—Central Office Telephone Equipment

Manual—Toll—I. B. T. and Long Lines

Composite Material and Labor Cost Trend

Gross Additions, June 30 to Dec. 31, 1923

	Unit	Quan.	Avg. Cost 7-1 to 12-31	Cost 12-31-23
Sections, toll	Sect.	182	$71,848	$74,123
Toll primary answering jacks	Cct.	1,310	12,104	12,104
Toll secondary answering jacks	Jack	5,290	18,885	18,885
Toll cord circuits	Cct.	2,554	130,714	141,773
" recording trunk ans. jacks	Jack	9,140	20,291	20,291
Toll line multiple jacks	"	44,880	117,586	117,586
" recording cord circuits	Cct.	180	5,166	6,336
Toll outgoing trunk multiple jacks	Jack	309,000	151,410	151,410
Frames and protectors	C Lines	215	22,485	22,485
Power plants	Ea.	1	16,344	16,717
Total Material Cost			$566,833	$581,710
Equipment Specifications			30,831	30,831
Installation Cost			135,538	135,538
Total Cost Installed			$733,202	$748,079

Ratio Dec. 31, 1923 to July to December Average Cost Installed 102.03%

[fol. 2701] Illinois Bell Telephone Company, Chicago Area

Account 221—Central Office Telephone Equipment

Toll—Telephone Terminal Equipment

Composite Material and Labor Cost Trend

Total Plant, June 30 to Dec. 31, 1923

	Cost 6-30-23	Cost 12-31-23
Typical plant in service 6-30-23	$147,114	$147,114
Total Material Cost	147,114	147,114
Equipment Specification	8,238	8,091
Installation Cost	36,043	35,307
Total Cost Installed	$191,395	$190,512
Ratio Dec. 31, 1923 to June 30, 1923 Cost Installed		100%

[fol. 2702] Illinois Bell Telephone Company, Chicago Area

Account 221—Central Office Telephone Equipment

Toll—Telegraph Equipment

Composite Material and Labor Cost Trend

Total Plant, June 30 to Dec. 31, 1923

	Cost 6-30-23	Cost 12-31-23
Typical plant in service 6-30-23	$242,425	$242,425
Total Material Cost	$242,425	$242,425
Equipment Specifications	13,576	13,333
Installation Cost	59,394	58,182
Total Cost Installed	$315,395	$313,940
Ratio Dec. 31, 1923 to June 30, 1923 Cost Installed		100%

[fol. 2703] Illinois Bell Telephone Company, Chicago Area

Account 221—Central Office Telephone Equipment

Dial

Composite Material and Labor Cost Trend

Total Plant, June 30 to Dec. 31, 1923

	Cost 6-30-23	Cost 12-31-23
State—Central Office		
Total Cost Installed	$4,487,238	$4,060,243

Ratio Dec. 31, 1923, to June 30, 1923, Cost Installed 90.48%

[fol. 2704] Illinois Bell Telephone Company, Chicago Area.

Account 221—Central Office Telephone Equipment

Dial

Composite Material and Labor Cost Trend

Gross Additions, June 30 to Dec. 31, 1923

The gross additions to Dial Equipment during this period consist principally of equipment purchased under the original State-Central contract but cut into service after June 30, 1923. The cost ratio is therefore based on the relation of the cost of this equipment at the Dec. 31, 1923 cost level and its original cost. This ratio is 90.38%.

[fol. 2705] Illinois Bell Telephone Company, Chicago Area

Account 221—Central Office Telephone Equipment

Dial

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Original cost, including capitalized overheads, of retirements analyzed	$6,630
Dec. 31, 1923 cost, exclusive of capitalized overheads, of retirements analyzed	5,791
Ratio of Dec. 31, 1923 cost to original cost	87.35%

[fol. 2706] Illinois Bell Telephone Company, Chicago Area

Account 222 Other Equipment of Central Offices

Material Cost Trend

Total Plant, June 30 to Dec. 31, 1923

	Unit	Quan.	Cost 6 30 23	Cost 12 31 23
Lockers steel	ea.	29 4	$999 60	$934 92
" material	"	5 7	176 70	176 70
Chairs rest room	"	27 1	460 70	453 92
" operators'	"	67 5	600 08	527 85
" office	"	27 2	456 42	456 14
Desks double	"	3 4	234 36	234 20
" single	"	4 6	211 05	211 05
Linoleum	sq. yd.	977 7	2033 10	2033 10
Fire eq'p't. exting	ea.	17 2	220 68	220 68
" " tanks	"	4 1	79 99	79 99
Electric fans	"	15 5	372 00	372 00
Total			$6744 68	$6000 64
Supply Expense			539 57	466 67
Total Material Cost			$7284 25	$7067 31
Average Material Cost, July-Dec. 1923			$7175 78	
Ratio Dec. 31, 1923 to June 30, 1923				97 02%
" " " " " July-December average				98 49%

Gross Additions

Using the average material cost, the cost trend ratio for gross additions for the period June 30, 1923 to Dec. 31, 1923 is computed to be 98 49%

[fol. 2707] Illinois Bell Telephone Company, Chicago Area

Account 222 Other Equipment of Central Offices

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$873,376
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	821,905
Ratio of Dec. 31, 1923 cost to book cost	94.11%

[fol. 2708] Illinois Bell Telephone Company, Chicago Area

Account 231 Station Apparatus

Material Cost Trend

Total Plant, June 30 to Dec. 31, 1923

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
Desk stands, 40AL	ea.	2.91	$7.57	$7.57
" " 20CF	"	3.64	10.56	10.56
" " 50AL	"	11	.33	.33

Hand sets, B1 A3	"			
Subscribers sets, 534A	"	3 13	12 36	12 36
" " 534AC	"	3 64	21 48	21 48
Coin collectors, 7A	"	1 89	14 91	14 35
" " 7J	"	2 00	18 70	18 70
" " 50G	"	15	4 52	4 52
Cords, 450	"	2 91	2 88	2 88
" 6009	"			
" 473	"	3 64	4 37	4 37
" 6011	"			
" 600B	"	11	16	16
" 6000	"			
Dials, 2AE	"	11	54	54
" 2HA3	"			
Transmitters, 323	"			
Receiver, 144	"			
Backboards, 148A	"	2 73	1 64	1 64
" 150A	"	1 17	41	41
Protector, 58AP	"	3 18	3 31	3 31
Total			$103 74	$103 18
Supply Expense			8 30	7 29
Total Material Cost			$112 04	$110 47
Ratio Dec. 31, 1923 to June 30, 1923				98 60%

[fol. 2709] Illinois Bell Telephone Company, Chicago Area

Account 231 Station Apparatus

Material Cost Trend

Gross Additions, June 30 to Dec. 31, 1923

	Unit	Quan.	Avg. Cost 7 1 to 12 31	Cost 12 31 23
Desk stands, 40AL	ea.	24	$ 62	$ 62
" " 20CF	"	36	1 04	1 04
" " 50AL	"	03	09	09
Hand sets, B1 A3	"			
Subscribers sets, 534A	"	27	1 07	1 07
" " 534AC	"	36	2 12	2 12
Coin collectors, 7A	"	14	52	1 10
" " 7J	"	25	2 34	2 34
" " 50G	"	01	30	30
Cords, 450	"	24	24	24
" 6009	"			
" 473	"	36	43	43
" 6011	"			
" 600B	"	03	04	04
" 6000	"			
Dials, 2AE	"	03	15	15
" 2HA3	"			
Transmitters, 323	"			
Receiver, 144	"			
Backboards, 148A	"	22	13	13
" 150A	"	16	06	06
Protector, 58AP	"	30	31	31
Total			$9 46	$10 04
Supply Expense			67	71
Total Material Cost			$10 13	$10 75
Ratio Dec. 31, 1923 to July-December Average				106 12%

[fol. 2710] Illinois Bell Telephone Company, Chicago Area

Account 231—Station Apparatus

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Complete Sets are retired at average book costs.	
Book cost, including capitalized overheads, of plant in service June 30, 1923	$8,322,949
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	9,903,479
Ratio of Dec. 31, 1923 cost to book cost, Retirement Conversion Factor Complete Sets	117.32%
Component Parts are retired at average current costs.	
Material cost trend ratio Dec. 31, 1923 to July-December average gross additions	106.12%
Factor to exclude capitalized overheads	99.9%
Retirement Conversion Factor Component Parts	106.01%
Per Cent of total retirements Complete Sets	87.15%
" " " " " Component Parts	12.85%
Composite Retirement Conversion Factor	115.87%

[fol. 2711] Illinois Bell Telephone Company, Chicago Area

Account 232—Station Installations

Composite Material and Labor Cost Trend,
June 30 to Dec. 31, 1923

Total Plant

	Cost 6-30-23	Cost 12-31-23
Average total cost per installation	$9.725	$9.275
Ratio Dec. 31, 1923 to June 30, 1923 Cost		95.37%

Gross Additions

	Avg. Cost 6-30 to 12-31	Cost 12-31-23
Average total cost per installation	$9.323	$9.275
Ratio Dec. 31, 1923 to July-December Average		99.49%

[fol. 2712] Illinois Bell Telephone Company, Chicago Area

Account 232 Station Installations

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Average retirement unit cost per installation, including capitalized overheads	$8.690
Average reproduction unit cost per installation at Dec. 31, 1923 cost level, exclusive of capitalized overheads	9.275
Ratio Dec. 31, 1923 unit cost to retirement unit cost	106.73%

[fol. 2713] Illinois Bell Telephone Company, Chicago Area

Account 233 Interior Block Wires

Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
#17 2-conductor wire	ft.	260	$3.48	$3.09
Supply Expense			.28	.22
Total Material Cost			$3.76	$3.31
Labor	hrs.	8	$5.72	$5.42
Direct Supervision			3.39	3.33
Total			$9.11	$8.75
Plant Supervision and Tool Expense			.76	.72
Truck Cost			.69	.71
Total Labor Cost			$10.56	$10.18
Total Cost in Place			$14.32	$13.49
Ratio Dec. 31, 1923 to June 30, 1923				94.20%

Gross Additions

	Unit	Quan.	Avg. Cost 7-1 to 12-31	Cost 12-31-23
#17 2-conductor wire	ft.	260	$3.22	$3.09
Supply Expense			.23	.22
Total Material Cost			$3.45	$3.31
Labor	hrs.	8	$5.75	$5.42
Direct Supervision			3.53	3.33
Total			$9.28	$8.75
Plant Supervision and Tool Expense			.77	.72
Truck Cost			.69	.71
Total Labor			$10.74	$10.18
Total Cost in Place			$14.19	$13.49
Ratio Dec. 31, 1923 to July-December Average				95.07%

[fol. 2714] Illinois Bell Telephone Company, Chicago Area

Account 233 Interior Block Wires

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$25,083
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads of plant in service June 30, 1923	36,705
Ratio of Dec. 31, 1923 cost to book cost	146.33%

[fol. 2715] Illinois Bell Telephone Company, Chicago Area

Account 234 Private Branch Exchanges

Non-Multiple

Composite Material and Labor Cost Trend, June 30, to Dec. 31, 1923

Total Plant

	Unit	Quan.	Cost 6 30 23	Cost 12 31 23
Cordless Boards	ea.	3 3	$627.00	$674.03
Cord Boards 30 line	"	3 0	1,451.55	1,428.36
" " 80 "	"	4	300.76	298.71
Total			$2,379.31	2,401.10
Supply Expense			190.34	169.76
Total Material Cost			$2,569.65	2,570.86
Installation Cost			434.27	434.48
Total Cost Installed			$3,003.92	3,005.34
Ratio Dec. 31, 1923 to June 30, 1923 Cost Installed				100.05%

Gross Additions

	Unit	Quan.	Avg. Cost 6-30 to 12-31	Cost 12-31-23
Cordless Boards	ea.	1 2	$236.54	$245.10
Cord Boards 30 line	"	7	335.98	333.28
" " 80 "	"	2	149.86	149.35
Total			$722.38	$727.73
Supply Expense			51.29	51.45
Total Material Cost			$773.67	$779.18
Installation Cost			140.03	141.03
Total Cost Installed			$913.70	$920.21
Ratio Dec. 31, 1923 to July-Dec. Average Cost Installed				100.71%

[fol. 2716] Illinois Bell Telephone Company, Chicago Area

Account 234—Private Branch Exchanges

Non-Multiple

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$3,347,063
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	3,636,809
Ratio of Dec. 31, 1923 cost to book cost	108.66%

[fol. 2717] Illinois Bell Telephone Company, Chicago Area

Account 234—Private Branch Exchanges

Multiple

Composite Material and Labor Cost Trend, June 30, to Dec. 31, 1923

Total Plant

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
Switchboard 600-C	ea.	1.0	$5,911	$5,911
" 700-C	"	.....	.....	.....
Total			$5,911	$5,911
Supply Expense			473	418
Total Material Cost			$6,384	$6,329
Installation Cost			1,653	1,658
Total Cost Installed			$8,037	$7,987
Ratio Dec. 31, 1923 to June 30, 1923 Cost Installed				99.38%

Gross Additions

	Unit	Quan.	Avg. Cost 6-30 to 12-31	Cost 12-31-23
Switchboard 600-C	ea.	1.0	$5,911	$5,911
" 700-C	"	.....	.....	.....
Total			$5,911	$5,911
Supply Expense			420	418
Total Material Cost			$6,331	$6,329
Installation Cost			1,627	1,658
Total Cost Installed			$7,958	$7,987
Ratio Dec. 31, 1923 to July-December Average Cost Installed				100.36%

[fol. 2718] Illinois Bell Telephone Company, Chicago Area

Account 234—Private Branch Exchanges

Multiple

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Original cost, including capitalized overheads, of retirements analyzed	$30,460
Dec. 31, 1923 cost, exclusive of capitalized overheads, of retirements analyzed	45,341
Ratio of Dec. 31, 1923 cost to original cost	148.85%

[fol. 2719] Illinois Bell Telephone Company, Chicago Area

Account 235—Booths and Special Fittings

Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
Booth, No. B-17, Mahogany finish, glass in door and one side	ea.	1	$52.92	$52.92
Supply Expense			4.23	3.74
Total Material Cost			$57.15	$56.66
Labor	hrs.	1.2	.62	.63
Direct Supervision			.37	.39
Total			$.99	$1.02
Plant Supervision and Tool Expense			.08	.08
Total Labor			$1.07	$1.10
Total Cost in Place			$58.22	$57.76
Ratio Dec. 31, 1923 to June 30, 1923				99.21%

Gross Additions

	Unit	Quan.	Avg. Cost 7-1 to 12-31-23	Cost 12-31-23
Booth, No. B-17, Mahogany finish, glass in door and one side	ea.	1	$52.92	$52.92
Supply Expense			3.76	3.74
Total Material Cost			$56.68	$56.66
Labor	hrs.	1.2	.62	.63
Direct Supervision			.38	.39
Total			$1.00	$1.02
Plant Supervision and Tool Expense			.08	.08
Total Labor			$1.08	$1.10
Total Cost in Place			$57.76	$57.76
Ratio Dec. 31, 1923 to July-December Average				100.00%

[fol. 2720] Illinois Bell Telephone Company, Chicago Area.

Account 235—Booths and Special Fittings

Retirement Conversion Factor, June 30 to Dec. 31, 1923

During the period June 30 to Dec. 31, 1923 retirements of Booths and Special Fittings were made at current costs. The retirement conversion factor therefore includes only the percentage to exclude capitalized overheads. It is 98.16%.

[fol. 2721] Illinois Bell Telephone Company, Chicago Area

Account 241—Exchange Pole Lines

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	100.54%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	102.70%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of C. E. Co. Joint Construction	100.00%
Per Cent of Total Cost—Material	53.2%
Per Cent of Total Cost—Labor	41.4%
Per Cent of Total Cost—C. E. Co. Joint Construction	5.4%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	101.51%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	101.44%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	99.49%
Ratio Dec. 31, 1923 to July-December Average Cost of C. E. Co. Joint Construction	100.00%
Per Cent of Total Cost—Material	31.7%
Per Cent of Total Cost—Labor	31.7%
Per Cent of Total Cost—C. E. Co. Joint Construction	36.8%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	100.30%

[fol. 2722] Illinois Bell Telephone Company, Chicago Area

Account 241—Exchange Pole Lines

Material Cost Trend,

Total Plant, June 30 to Dec. 31, 1923

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
Class B Poles, northern white cedar				
30 ft.	ea.	5.6	$78.51	$78.90
35 "	"	33.5	634.82	638.18
40 "	"	17.5	392.18	394.45
45 "	"	3.2	89.38	89.92
50 "	"	1.2	36.30	36.54
Class B poles, western red cedar				
30 "	ea.			
35 "	"			
40 "	"			
45 "	"			
50 "	"			
Total			$1231.19	$1237.99

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
Pole yard charges			198.22	219.99
Guard arms	ea.	97.1	67.19	58.32
Anchors	"	11.1	7.08	7.79
Strand—6M	ft.	444.0	6.15	7.85
Cross arms—10 pin	ea.	13.5	13.77	16.34
Total			$1523.60	$1548.28
Supply Expense			121.89	109.46
Total Material Cost			$1645.49	$1657.74
Ratio Dec. 31, 1923 to June 30, 1923				100.74%

[fol. 2723] Illinois Bell Telephone Company, Chicago Area

Account 241—Exchange Pole Lines

Material Cost Trend

Gross Additions, June 30 to Dec. 31, 1923

	Unit	Quan.	Avg. Cost 7-1 to 12-31	Cost 12-31-23
Class B poles—30 ft.	ea.	2	$3.44	$3.45
35 "	"	1.4	27.96	28.01
40 "	"	1	9.43	9.45
45 "	"	1	2.82	2.83
Total			$43.65	$43.74
Pole yard charges			7.11	7.77
Cross arms—10 pin	ea.			
Guard arms	"	3.1	1.86	1.86
Anchors	"	4	.26	.28
Strand—6M	ft.	16.0	.27	.28
Total			$53.15	$53.93
Supply Expense			3.77	3.81
Total Material Cost			$56.92	$57.74
Ratio Dec. 31, 1923 to July-December Average				101.44%

[fol. 2724] Illinois Bell Telephone Company, Chicago Area

Account 241—Exchange Pole Lines

Labor Cost Trend, June 30 to Dec. 31, 1923

	Quan.	Average Monthly Rates of Pay 6-30-23	7-1 to 12-31	12-31-23
Line Gang				
Line foreman	1	$189.00	$190.74	$191.50
Linemen	3	465.00	464.04	465.00
Groundmen	1	105.00	106.75	107.50
Driver	1	105.00	106.75	107.50
		$864.00	$868.28	$871.50
Direct Supervision		146.02	171.31	171.95
Total		$1,010.02	$1,039.59	$1,043.45
Plant Supervision and Tool Expense		83.83	86.29	85.88
Truck Cost		222.56	232.96	222.56
Total Line Gang		$1,316.41	$1,358.84	$1,351.89
Ratio Dec. 31, 1923 to June 30, 1923				102.70%
Ratio Dec. 31, 1932 to July-December Average				99.49%

[fol. 2725] Illinois Bell Telephone Company, Chicago Area

Account 241—Exchange Pole Lines

Retirement Conversion Factors, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$2,130,277*
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	3,308,802
Ratio of Dec. 31, 1923 cost to book cost	155.32%

* Adjusted.

[fol. 2726] Illinois Bell Telephone Company, Chicago Area

Account 242—Exchange Aerial Cable

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	96.77%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	101.61%
Per Cent of Total Cost—Material	54.4%
Per Cent of Total Cost—Labor	45.6%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	98.98%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	98.64%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	101.29%
Per Cent of Total Cost—Material	48.9%
Per Cent of Total Cost—Labor	51.1%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	99.99%

[fol. 2727] Illinois Bell Telephone Company, Chicago Area

Account 242—Exchange Aerial Cable

Material Cost Trend, June 30 to Dec. 31, 1923

Total Plant

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
26 pr., 24 ga. cable	ft.	3.9	$.30	$.30
51 " " " "	"	19.4	2.33	2.32
101 " " " "	"	6.5	1.27	1.29
152 " " " "	"	.1	.03	.03
202 " " " "	"	.6	.21	.21
26 pr., 22 ga. cable	"	232.5	22.41	20.72
51 " " " "	"	272.5	41.37	38.23
101 " " " "	"	40.5	10.33	9.81
51 pr., 19 ga. cable	"	28.0	7.02	6.75
101 " " " "	"	10.2	4.11	4.30
303 " " " "	"	.6	.63	.67
Strand—6M	"	645.0	8.94	11.40
Terminals—14B	ea.	.3	1.67	1.67
" —14C	"	3.1	21.39	21.39
Total			$122.01	$119.09
Supply Expense			9.76	8.42
Total Material Cost			$131.77	$127.51
Ratio Dec. 31, 1923 to June 30, 1923				96.77%

Gross Additions

	Unit	Quan.	Avg. Cost 1923	Cost 12 31 23
26 pr., 24 ga. cable	ft.	1.4	$ .12	$ .11
51 " " "	"	5.0	.64	.60
101 " " "	"	2.4	.50	.48
152 " " "	"	.3	.09	.08
202 " " "	"			
26 pr., 22 ga. cable	"	2.3	.20	.20
51 " " "	"	4.2	.59	.59
101 " " "	"	1.6	.39	.39
51 pr., 19 ga. cable	"	.2	.05	.05
101 " " "	"			
303 " " "	"			
Strand 6M.	"	18.0	.30	.32
Terminals 14B.	ea.	1	.56	.56
" HR	"	1	.69	.69
Total			$4.13	$4.07
Supply Expense			.29	.29
Total Material Cost			$4.42	$4.36
Ratio Dec. 31, 1923 to Yearly Average				98.64%

[fol. 2728] Illinois Bell Telephone Company, Chicago Area

Account 242 Exchange Aerial Cable

Labor Cost Trend, June 30 to Dec. 1923

	Quan.	Average Monthly Rates of Pay 6 30 23	7 1 to 12 31	12 31 23
Placing Gang				
Lane foreman	1	$189.00	$190.74	$191.50
Linemen	3	465.00	464.04	465.00
Groundmen	1	105.00	106.75	107.50
Driver	1	105.00	106.75	107.50
		$864.00	$868.28	$871.50
Direct Supervision		146.02	171.31	171.95
Total		$1,010.02	$1,039.59	$1,043.45
Splicing Gang				
Splicing foreman	.75	$152.43	$152.20	$152.05
Splicers and helpers	9.00	1,107.00	1,083.33	1,116.00
		$1,259.43	$1,235.53	$1,269.05
Direct Supervision		144.83	143.57	147.35
Total		$1,404.26	$1,379.10	$1,415.40
Total Placing and Splicing Gangs		$2,414.28	$2,418.69	$2,458.85
Plant Supervision and Tool Expense		200.39	200.75	202.36
Truck Cost		283.40	287.56	283.40
Total Cable Gang		$2,898.07	$2,907.00	$2,944.61
Ratio Dec. 31, 1923 to June 30, 1923				101.61%
Ratio Dec. 31, 1923 to July-December Average				101.29%

fol. 2729] Illinois Bell Telephone Company, Chicago Area

Account 242 Exchange Aerial Cable

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$3,025,054*
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	3,845,971
Ratio of Dec. 31, 1923 cost to book cost	127.14%

* Adjusted.

[fol. 2730] Illinois Bell Telephone Company, Chicago Area

Account 243—Exchange Aerial Wire

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	88.39%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	96.44%
Per Cent of Total Cost Material	37.6%
Per Cent of Total Cost Labor	62.4%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	93.41%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	96.33%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	94.77%
Per Cent of Total Cost Material	51.2%
Per Cent of Total Cost Labor	48.8%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	95.57%

[fol. 2731] Illinois Bell Telephone Company, Chicago Area

Account 243—Exchange Aerial Wire

Material Cost Trend, June 30 to Dec. 31, 1923

Total Plant

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
17 2-conductor wire	pr. mi.	10.9	$771.18	$684.85
Knobs, type "B"	ea.	414.2	12.01	13.46
Total			$783.19	$698.31
Supply Expense			62.66	49.37
Total Material Cost			$845.85	$747.68
Ratio Dec. 31, 1923 to June 30, 1923				88.39%

Gross Additions

	Unit	Quan.	Avg. Cost 7 21 to 12 31	Cost 12 31 23
17 2 conductor wire	pr. mi.	1 0	$65 42	$62 83
Knobs, type "H"	ea.	38 0	1 07	1 24
Total			$66 49	$64 07
Supply Expense			4 72	4 53
Total Material Cost			$71 21	$68 60

Ratio Dec. 31, 1923 to July-December Average 96 33%

[fol. 2732] Illinois Bell Telephone Company, Chicago Area

Account 243 Exchange Aerial Wire

Labor Cost Trend, June 30 to Dec. 31, 1923

		Average Monthly Rates of Pay		
	Quan.	6 30 23	7 1 to 12 31	12 31 23
Installers	1	$148 70	$149 46	$141 00
Direct Supervision		88 18	91 87	86 67
Total		$236 88	$241 33	$227 67
Plant Supervision and Tool Expense		19 06	20 03	18 74
Truck Cost		18 06	18 06	18 41
Total Line Gang		$274 60	$279 42	$264 82

Ratio Dec. 31, 1923 to June 30, 1923 ..... 96 44%
Ratio Dec. 31, 1923 to July-December Average 94 77%

[fol. 2733] Illinois Bell Telephone Company, Chicago Area

Account 243 Exchange Aerial Wire

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$2,082,163
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	2,223,283
Ratio of Dec. 31, 1923 cost to book cost	106.78%

Adjusted.

[fol. 2734] Illinois Bell Telephone Company, Chicago Area

Account 244 Exchange Underground Conduit

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	100.45%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	100.00%
Per Cent of Total Cost—Material	33.3%
Per Cent of Total Cost—Labor	66.7%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	100.95%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	101.52%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	100.00%
Per Cent of Total Cost Material	27.6%
Per Cent of Total Cost Labor	72.4%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	100.42%

[fol. 2735] Illinois Bell Telephone Company, Chicago Area

Account 244 Exchange Underground Conduit

Material Cost Trend

Total Plant, June 30 to Dec. 31, 1923

		Unit	Quan.	Cost 6-30-23	Cost 12-31-23
McRoy conduit	1 duct	tr. ft.	1378.6	$110.98	$111.53
	2 "	" "	643.0	129.50	130.14
	3 "	" "	389.7	117.73	118.31
	4 "	" "	880.4	283.49	284.90
	6 "	" "	476.0	229.91	231.05
	8 "	" "	219.7	141.49	142.19
	10 "	" "	71.4	57.48	57.76
	12 "	" "	186.4	180.06	180.96
	15 "	" "	47.2	59.85	60.15
	18 "	" "	84.0	121.72	122.32
	20 "	" "	26.8	43.15	43.36
	24 "	" "	25.7	49.65	49.90
Manhole frames and covers	24"	ea.	1.6	34.69	43.04
" " " "	27"	"	8.0	207.44	221.84
Brick		M	17.96	215.52	215.52
Cement		bags	664.6	365.53	348.92
Sand		M lb.	247.7	265.04	265.04
Gravel		M lb.	426.7	456.57	456.57
Total Material Cost				$3069.80	$3083.50

Ratio Dec. 31, 1923 to June 30, 1923 100.45%

[fol. 2736] Illinois Bell Telephone Company, Chicago Area

Account 244 Exchange Underground Conduit

Material Cost Trend

Gross Additions, June 30 to Dec. 31, 1923

		Unit	Quan.	Avg. Cost 7-1 to 12-31-23	Cost 12-31-23
McRoy conduit	1 duct	tr. ft.	15.1	$1.21	$1.22
	2 "	" "	18.0	3.44	3.64
	3 "	" "	.....	.....	.....
	4 "	" "	28.0	8.94	9.06
	6 "	" "	28.9	13.91	14.03
	8 "	" "	.....	.....	.....
	10 "	" "	.....	.....	.....
	12 "	" "	.....	.....	.....
	15 "	" "	.....	.....	.....
	18 "	" "	.....	.....	.....
	20 "	" "	.....	.....	.....
	24 "	" "	.....	.....	.....

	Unit	Quan.	Avg. Cost 7 1 to 12 31 23	Cost 12 21 23
Manhole frames and covers 24"	ea.			
" " " " 27"	"			
Brick	M			
Cement	bags	3 1	1 68	1 63
Sand	M lb.	1 2	1 25	1 28
Gravel	M lb.	2 4	2 50	2 57
Total Material Cost			$32 93	$33 43
Ratio Dec. 31, 1923 to July-December Average				101 52%

[fol. 2737] Illinois Bell Telephone Company, Chicago Area

Account 244 Exchange Underground Conduit

Labor Cost Trend, June 30 to Dec. 31, 1923

	Quan.	Average Monthly Rates of Pay 6 30 23	7 1 to 12 31	12 31 23
Foreman	1	$350 00	$350 00	$350 00
Sub-foremen	3	826 80	826 80	826 80
Bricklayer	1	360 67	360 67	360 67
Timekeeper	1	190 00	190 00	190 00
Laborers	50	9,193 60	9,193 60	9,193 60
Total Underground Conduit Gang		$10,921 07	$10,921 07	$10,921 07
Ratio Dec. 31, 1923 to June 30, 1923				100 00%
Ratio Dec. 31, 1923 to July-December Average				100 00%

[fol. 2738] Illinois Bell Telephone Company, Chicago Area

Account 244 Exchange Underground Conduit

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$9,329,096*
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	20,400,666
Ratio of Dec. 31, 1923 cost to book cost	218.68%

* Adjusted.

[fol. 2739] Illinois Bell Telephone Company, Chicago Area

Account 245 Exchange Underground Cable

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	102.01%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	100.36%
Per Cent of Total Cost—Material	74.2%
Per Cent of Total Cost—Labor	25.8%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	101.58%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	101.28%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	101.75%
Per Cent of Total Cost Material	63.0%
Per Cent of Total Cost Labor	37.0%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	101.45%

[fol. 2740] Illinois Bell Telephone Company, Chicago Area

Account 245 Exchange Underground Cable

Material Cost Trend, Total Plant, June 30 to Dec. 31, 1923

	Unit	Quan.	Cost 6 30 23	Cost 12 31 23
51 pr., 24 ga. cable	ft.	7 1	$ 85	$ 85
101 " " " "	"	5 5	1 08	1 09
202 " " " "	"	3 0	1 03	1 06
606 " " " "	"	12 8	11 24	11 70
1212 " " " "	"	30 4	46 86	47 01
26 " 22 " "	"	46 3	4 46	4 13
51 " " " "	"	112 6	17 09	15 80
101 " " " "	"	47 5	12 11	11 50
202 " " " "	"	30 3	13 74	13 01
303 " " " "	"	17 0	10 06	10 47
404 " " " "	"	40 8	31 21	32 71
606 " " " "	"	278 2	288 83	293 31
909 " " " "	"	50 1	72 16	76 43
202 " 19 " "	"	41 6	30 77	32 39
303 " " " "	"	406.2	429 23	451 45
455 " " " "	"	6 1	8 18	8 71
Cable Terminal, 50 pr. protected	ea.	4	24 20	24 20
" " 100 " "	"	1	9 35	9 35
Loading coils				
#22 C case, 50 #574 B coils	ea.	.024	14 52	14 52
#23 J " 98 #575 B "	"	010	10 45	10 45
#23 T " 200 #601 "	"			
#43 B " 300 #613 "	"			
#44 A " 300 #612 "	"			
House cable				
16 pr., 24 ga. cable	ft.	1 2	07	07
26 " " " "	"	7 8	60	59
51 " " " "	"	8 3	1 00	99
101 " " " "	"	4 0	78	79
202 " " " "	"	1 2	41	42
606 " " " "	"	3	26	27
1212 " " " "	"	1	15	15
16 " 22 " "	"	44.6	3 55	2 92
16 " " " " S. & C.	"			
26 " " " "	"	60.0	5 78	5 35
26 " " " " S. & C.	"			
51 " " " "	"	48.2	7 32	6 76
51 " " " " S. & C.	"			
101 " " " "	"	20.0	5 10	4 84
Cable terminal, 16 pr. unprotected	ea.	1.65	4 72	4 85
" " 26 " " "	"	.76	3 26	3 31
Total			$1070.42	$1101.45
Supply Expense			85 63	77 87
Total			$1156.05	$1179.32
Ratio Dec. 31, 1923 to June 30, 1923				102.01%

[fol. 2741] Illinois Bell Telephone Company, Chicago Area

Account 245 - Exchange Underground Cable

Material Cost Trend

Gross Additions, June 30 to Dec. 31, 1923

	Unit	Quan.	Avg. Cost 7-1 to 12-31-23	Cost 12 31 23
51 pr., 24 ga. cable	ft.	2 1	$ 27	$ 25
101 " " " "	"	1 3	.27	.26
202 " " " "	"	1 8	.65	.63
606 " " " "	"	2	.18	.18
1212 " " " "	"	3 5	5 33	5 41
26 " 22 " "	"	6	05	05
51 " " " "	"	8	11	11
101 " " " "	"	1 7	.41	.41
202 " " " "	"	6	23	26
303 " " " "	"	2	11	12
404 " " " "	"	6	46	48
606 " " " "	"	6 4	6 68	6 75
909 " " " "	"	15 9	23 85	24 26
202 " 19 " "	"	1 1	.80	.86
303 " " " "	"	2 8	3 02	3 11
455 " " " "	"	1	.15	.14
Cable terminal, 50 pr. protected	ea.			
" " 100 " "	"			
Loading coils				
*22 C case, 50 *574 B coils	ea.	001	.60	.60
*23 J " 98 *575 B "	"	005	5 23	5 23
*23 T " 200 *601 "	"			
*43 B " 300 *613 "	"			
*44 A " 300 *612 "	"			
House cable				
16 pr., 24 ga. cable	ft.	4	03	02
26 " " " "	"	2 3	20	18
51 " " " "	"	2 7	35	32
101 " " " "	"	8	17	16
202 " " " "	"	5	18	18
606 " " " "	"	1	09	09
1212 " " " "	"			
16 pr., 22 ga. cable	"	1 5	10	10
16 " " " S. & C.	"			
26 " " " "	"	4 0	34	36
26 " " " S. & C.	"			
51 " " " "	"	1 6	22	22
51 " " " S. & C.	"			
101 " " " "	"	8	19	19
Cable terminal, 16 pr. unprotected	ea.	09	.26	.26
Cable terminal, 26 pr. unprotected	"	10	.43	.44
Total			$50 96	$51 63
Supply expense			3 62	3 65
Total			$54 58	$55 28
Ratio Dec. 31, 1923 to July-December Average				101.28%

[fol. 2742] Illinois Bell Telephone Company, Chicago Area

Account 245 Exchange Underground Cable

Labor Cost Trend, June 30 to Dec. 31, 1923

	Quan.	Average Monthly Rates of Pay 6 30 23	7 1 to 12 31	12 31 23
Placing Gang				
Placing foreman	1	$199.00	$204.00	$201.50
Cablemen	7	948.50	946.61	948.50
		$1,147.50	$1,150.61	$1,150.00
Direct Supervision		173.27	158.78	158.70
Total		$1,320.77	$1,309.39	$1,308.70
Splicing Gang				
Splicing foreman	1.5	$304.86	$304.40	$304.10
Splicers and helpers	30.0	3,690.00	3,611.10	5,720.00
		$3,994.86	$3915.50	$4,024.10
Direct Supervision		459.41	454.98	467.60
Total		$4,454.27	$4,370.48	$4,491.70
Total Placing and Splicing Gangs		$5,775.04	$5,679.87	$5,800.40
Plant Supervision and Tool Expense		479.33	471.43	477.37
Truck Cost		344.24	342.16	344.24
Total Underground Cable Gang		$6,598.61	$6,493.46	$6,622.01
Building Cable Gang				
Foreman	1	$205.40	$205.40	$205.40
Cablemen and splicers	5	860.65	861.00	862.75
		$1,066.05	$1,066.40	$1,068.15
Direct Supervision		125.79	128.61	128.82
Total		$1,191.84	$1,195.01	$1,196.97
Plant Supervision and Tool Expense		98.92	99.19	98.51
Truck Cost		12.17	10.92	12.17
Total Building Cable Gang		$1,302.93	$1,305.12	$1,307.65

[fol. 2743] Illinois Bell Telephone Company, Chicago Area

Account 245—Exchange Underground Cable

Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

	Average Monthly Rates of Pay 6-30-23	12-31-23
Underground Cable Gang—71.5%	$4,718.01	$4,734.74
Building Cable Gang—28.5%	371.34	372.68
Total	$5,089.35	$5,107.42
Ratio Dec. 31, 1923 to June 30, 1923		100.36%

Gross Additions

		Average Monthly Rates of Pay	
		7-1 to 12-31	12-31-23
Underground Cable Gang	57.6%	$3,740 23	$3,814 28
Building Cable Gang	42.4%	553 37	554 44
Total		$4,293 60	$4,368 72

Ratio Dec. 31, 1923 to July-December Average 101.75%

[fol. 2744] Illinois Bell Telephone Company, Chicago Area

Account 245, Exchange Underground Cable

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	
Underground cable	$15,266,094
House cable	2,317,411
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overhead, of plant in service June 30, 1923	
Underground cable	17,979,919
House cable	2,532,676
Ratio of Dec. 31, 1923 cost to book cost	
Underground cable	117.78%
House cable	109.29%
Per cent of total retirements	
Underground cable	86.81%
House cable	13.19%
Composite Ratio of Dec. 31, 1923 Cost to Book Cost	116.66%

Adjusted.

[fol. 2745] Illinois Bell Telephone Company, Chicago Area

Account 251—Toll Pole Lines

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	104.88%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	102.70%
Per Cent of Total Cost—Material	46.3%
Per Cent of Total Cost—Labor	53.7%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	103.71%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	102.95%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	99.49%
Per Cent of Total Cost—Material	44.4%
Per Cent of Total Cost—Labor	55.6%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	101.03%

[fol. 2746] Illinois Bell Telephone Company, Chicago Area

Account 251 Toll Pole Lines

Material Cost Trend, June 30 to Dec. 31, 1923

Total Trend

	Unit	Quan	Cost 6 30 23	Cost 12 31 23
Class B poles 35 ft.	ea.			
40 "	"	6	$13 45	$13 52
45 "	"	4	11 17	11 24
50 "	"			
Total			$24 62	$24 76
Pole yard charges			3 96	4 40
Cross arms 10 pin	"	8 0	8 16	9 68
Anchors	"	2	13	14
Strand 6M	ft.	8 0	11	14
Total			$36 98	$39 12
Supply Expense			2 96	2 77
Total Material Cost			$39 94	$41 89
Ratio Dec. 31, 1923 to June 30, 1923				104.88%

Gross Additions

	Unit	Quan	Avg. Cost 7 1 to 12 31	Cost 12 31 23
Class B poles 35 ft.	ea.			
40 "	"	6	$13 51	$13 52
45 "	"	4	11 23	11 24
50 "	"			
Total			$24 74	$24 76
Pole yard charges			4 03	4 40
Cross arms 10 pin	"	8 0	8 96	9 68
Anchors	"	2	13	14
Strand 6M	ft.	8 0	13	14
Total			$37 99	$39 12
Supply Expense			2 70	2 77
Total Material Cost			$40 69	$41 89
[Ratio Dec. 31, 1923 to six months' average				102 95%

[fol. 2747] Illinois Bell Telephone Company, Chicago Area

Account 251 Toll Pole Lines

Labor Cost Trend, June 30 to Dec. 31, 1923

	Quan.	Average Monthly Rates of Pay 6 30 23	7 1 to 12 31	12 31 23
Line Gang				
Line foreman	1	$189 00	$190 74	$191 50
Linemen	3	465 00	464 04	465 00
Groundmen	1	105 00	106 75	107 50
Driver	1	105 00	106 75	107 50
		$864 00	$868 28	$871 50
Direct Supervision		146 02	171 31	171 95
Total		$1,010 02	$1,039 59	$1,043 45

Plant Supervision and Tool Expense	83.83	86.29	85.88
Truck Cost	222.56	232.96	222.56
Total Line Gang	$1,316.41	$1,358.84	$1,351.89

Ratio Dec. 31, 1923 to June 30, 1923	102.70%
Ratio Dec. 31, 1923 to July-December Average	99.49%

[fol. 2748] Illinois Bell Telephone Company, Chicago Area

Account 251—Toll Pole Lines

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$86,244*
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	134,814
Ratio of Dec. 31, 1923 cost to book cost	156.32%

* Adjusted.

[fol. 2749] Illinois Bell Telephone Company, Chicago Area

Account 252—Toll Aerial Cable

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	103.67%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	101.82%
Per Cent of Total Cost—Material	51.9%
Per Cent of Total Cost—Labor	48.1%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	102.78%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	106.67%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	100.89%
Per Cent of Total—Material	%
Per Cent of Total—Labor	%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	%

[fol. 2750] Illinois Bell Telephone Company, Chicago Area

Account 252—Toll Aerial Cable

Material Cost Trend, June 30 to Dec. 31, 1923

Total Plant

	Unit	Quan.	Cost 6-30-23	Cost 12-31-23
100 pr., 19 ga. cable	ft.	10.00	$4.03	$4.22
Strand, 10M	"	10.50	.26	.26
Total			$4.29	$4.48
Supply Expense			.34	.32
Total Material Cost			$4.63	$4.80

Ratio Dec. 31, 1923 to June 30, 1923	103.67%

Gross Additions

	Unit	Quan. 7-1 to 12-31	Avg. Cost 7-1 to 12-31	Cost 12-31-23
100 pr., 19 ga. cable	ft.	10.00	$3.94	$4.22
Strand, 10M	"	10.50	.26	.26
Total			$4.20	$4.48
Supply Expense			.30	.32
Total Material Cost			$4.50	$4.80
Ratio Dec. 31, 1923 to July-Dec. Average				106.67%

[fol. 2751] Illinois Bell Telephone Company, Chicago Area

Account 252 Toll Aerial Cable

Labor Cost Trend, June 30 to Dec. 31, 1923

	Quan.	Average Monthly Rates of Pay 6-30-23	7-1 to 12-31	12-31-23
Placing Gang				
Line foreman	1	$189.00	$190.74	$191.50
Linemen	3	465.00	464.04	465.00
Groundmen	1	105.00	106.75	107.50
Driver	1	105.00	106.75	107.50
		$864.00	$868.28	$871.50
Direct Supervision		146.02	171.31	171.95
Total		$1,010.02	$1,039.59	$1,043.45
Splicing Gang				
Splicing foreman	.5	$101.62	$101.46	$101.36
Splicers and helpers	6.0	738.00	722.22	744.00
		$839.62	$823.68	$845.36
Direct Supervision		96.56	95.71	98.23
Total		$936.18	$919.39	$943.59
Total Placing and Splicing Gangs		$1,946.20	$1,958.98	$1,987.04
Plant Supervision and Tool Expense		161.53	162.60	163.53
Truck Cost		246.90	254.80	246.90
Total Cable Gang		$2,354.63	$2,376.38	$2,397.47
Ratio Dec. 31, 1923 to June 30, 1923				101.82%
Ratio Dec. 31, 1923 to July-December Average				100.89%

[fol. 2752] Illinois Bell Telephone Company, Chicago Area

Account 252—Toll Aerial Cable

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$7,660*

Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	9,476
Ratio of Dec. 31, 1923 cost to book cost	123.72%

* Adjusted.

[fol. 2753] Illinois Bell Telephone Company, Chicago Area

Account 253 Toll Aerial Wire

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	95.83%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	102.70%
Per Cent of Total Cost Material	70.8%
Per Cent of Total Cost Labor	29.2%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	97.84%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	92.56%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	99.49%
Per Cent of Total Material	76.6%
Per Cent of Total Labor	23.4%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	94.18%

[fol. 2754] Illinois Bell Telephone Company, Chicago Area

Account 253 Toll Aerial Wire

Material Cost Trend, June 30 to Dec. 31, 1923

Total Plant

	Unit	Quan.	Cost 6 30 23	Cost 12 31 23
* 12 bare copper wire	mi.	11.1	* $343.77	$331.45
Insulators, glass-toll	ea.	577.2	25.86	25.86
Total			$369.63	$357.31
Supply Expense			29.57	25.26
Total Material Cost			$399.20	$382.57
Ratio Dec. 31, 1923 to June 30, 1923				95.83%

Gross Additions

	Unit	Quan.	Avg. Cost 7 1 to 12 31	Cost 12 31 23
* 12 bare copper wire	mi.	1.0	$32.44	$29.86
Insulators, glass-toll	ea.	52.0	2.33	2.33
Total			* $34.77	$32.19
Supply Expense			2.47	2.28
Total Material Cost			$37.24	$34.47
Ratio Dec. 31, 1923 to July-December Average				92.56%

[fol. 2755] Illinois Bell Telephone Company, Chicago Area

Account 253 Toll Aerial Wire

Labor Cost Trend, June 30 to Dec. 31, 1923

	Quan.	Average Monthly Rates of Pay 6-30-23	7-1 to 12-31	12-31-23
Line Gang				
Line foreman	1	$189.00	$190.74	$191.50
Linemen	3	465.00	464.04	465.00
Groundman	1	105.00	108.75	107.50
Driver	1	105.00	106.75	107.50
		$864.00	$868.28	$871.50
Direct Supervision		146.02	171.31	171.95
Total		$1,010.02	$1,039.59	$1,043.45
Plant Supervision and Tool Expense		83.83	86.29	85.88
Truck Cost		222.56	232.96	223.56
Total Line Gang		$1,316.41	$1,358.84	$1,351.89
Ratio Dec. 31 to June 30, 1923				102.70%
Ratio Dec. 31 to July-December Average				99.49%

[fol. 2756] Illinois Bell Telephone Company, Chicago Area

Account 253 Toll Aerial Wire

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$124,589*
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	163,169
Ratio of Dec. 31, 1923 cost to book cost	130.96%

* Adjusted.

[fol. 2757] Illinois Bell Telephone Company, Chicago Area

Account 254—Toll Underground Conduit

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Use factors developed for Account 244—Exchange Underground Conduit

Total Plant	100.15%
Gross Additions	100.42%

[fol. 2758] Illinois Bell Telephone Company, Chicago Area

Account 254 Toll Underground Conduit

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$456,695*
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	737,859
Ratio of Dec. 31, 1923 cost to book cost	161.56%

* Adjusted.

[fol. 2759] Illinois Bell Telephone Company, Chicago Area

Account 255 Toll Underground Cable

Composite Material and Labor Cost Trend, June 30 to Dec. 31, 1923

Total Plant

Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material	103.04%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Labor	100.31%
Per Cent of Total Cost Material	83.9%
Per Cent of Total Cost Labor	16.1%
Ratio Dec. 31, 1923 to June 30, 1923 Cost of Material and Labor	102.60%

Gross Additions

Ratio Dec. 31, 1923 to July-December Average Cost of Material	102.70%
Ratio Dec. 31, 1923 to July-December Average Cost of Labor	101.52%
Per Cent of Total Cost Material	80.5%
Per Cent of Total Cost Labor	19.5%
Ratio Dec. 31, 1923 to July-December Average Cost of Material and Labor	102.47%

[fol. 2760] Illinois Bell Telephone Company, Chicago Area

Account 255 Toll Underground Cable

Material Cost Trend Total Plant, June 30 to Dec. 31, 1923

	Unit.	Quan.	Cost 6 30 23	Cost 12 31 23
909 pr., 22 ga. cable	ft.	2	$ .29	$ .31
303 " 19 " "	"	57.8	61.08	64.24
455 " " " "	"	6	.80	.86
Loading coils				
*33 C case, 50 *574 B coils	ea.	.001	.60	.60
*23 J " 98 *575 " "	"			
*23 L " 75 *574 " "	"	.003	2.60	2.60
*23 T " 200 *601 coils	"			
*25 D " 9-533 & 18-534	"	.006	5.09	5.09
*27 A " 24 561 B & 48 562 B	"	.003	4.09	4.09
*31 A " 11 555 & 22 556	"	.001	1.77	1.77
*32 B " 35 583 A & 70 584 A	"	.003	6.04	6.04
*37 P " 10-703	"			
*43 B " 300-613	"			
*44 A " 300-612	"			

	Unit	Quan.	Cost 6 30 23	Cost 12 31 23
#49 A " 62 P2	"			
#49 B " 28 P3 & 56 P2	"			
Total Material Cost			$82 36	$85 60
Supply Expense			6 59	6 05
Total			$88 95	$91 65
Ratio of Dec. 31, 1923 to June 30, 1923				103 04%

[fol. 2761] Illinois Bell Telephone Company, Chicago Area

Account 255 Toll Underground Cable

Material Cost Trend, Gross Additions, June 30 to Dec. 31, 1923

	Unit	Quan.	Avg. Cost 7 1 to 12 31	Cost 12 31 23
909 pr., 22 ga. cable	ft.	1	$ 15	$ 15
303 " 19 " "	"	5	54	56
455 " " " "	"			
Loading coils				
#22 Crosse, 50 #574 B coils	ea.			
#23 J " 98 #575 " "	"			
#23 L " 75 #574 " "	"			
#23 T " 200 #601 coils	"			
#25 D " 9 533 & 18 534	"			
#27 A " 24 561 B & 48 562 B	"			
#31 A " 11 555 & 22 556	"			
#32 B " 35 583 A & 70 584 A	"			
#37 P " 10 703	"			
#43 B " 300 613	"			
#44 A " 300 612	"			
#49 A " 62 P2	"			
#49 B " 28 P3 & 56 P2	"			
Total Material Cost			$ 69	$ 71
Supply Expense			05	05
Total			$ 74	$ 76
Ratio of Dec. 31, 1923 to July-December Average				102 70%

[fol. 2762] Illinois Bell Telephone Company, Chicago Area

Account 255 Toll Underground Cable

Labor Cost Trend, June 30 to Dec. 31, 1923

	Quan.	Average Monthly Rates of Pay 6 30 23	7 1 to 12 31	12 31 23
Placing Gang				
Placing foreman	1	$199 00	$204 00	$201 50
Cablemen	7	948 50	946 61	948 50
		$1,147 50	$1,150 61	$1,150 00
Direct Supervision		173 27	158 78	158 70
Total		$1,320 77	$1,309 39	$1,308 70

	Quan.	Average Monthly Rates of Pay 6 30 23	7 1 to 12 31	12 31 23
Splicing Gang				
Splicing foreman	1 5	$304.80	$304.40	$304.10
Splicers and helpers	30 0	*3,690.00	3,611.10	3,720.00
		$3,994.80	$3,915.50	$4,024.10
Direct Supervision		459.41	454.98	467.60
Total		$4,454.27	$4,370.48	$4,491.70
Transmission Testers				
Foreman	5	$112.50	$112.50	$112.50
Transmission testers	4.0	634.00	652.32	634.00
		$746.50	$764.82	$746.50
Direct Supervision		85.85	88.87	86.74
Total		$832.35	$853.69	$833.24
Total Underground Cable Gangs		$6,607.39	$6,533.56	$6,633.64
Plant Supervision and Tool Expense		548.41	542.29	545.95
Truck Costs		425.36	414.96	425.36
Total		$7,581.16	$7,490.81	$7,604.91

Ratio Dec. 31, 1923 to June 30, 1923	100.31%
Ratio Dec. 31, 1923 to July-December Average	101.52%

[fol. 2763] Illinois Bell Telephone Company, Chicago Area

Account 255 Toll Underground Cable

Retirement Conversion Factor, June 30 to Dec. 31, 1923

Book cost, including capitalized overheads, of plant in service June 30, 1923	$1,260,801*
Appraisal cost at Dec. 31, 1923 cost level, exclusive of capitalized overheads, of plant in service June 30, 1923	1,407,277
Ratio of Dec. 31, 1923 cost to book cost	102.65%

* Adjusted.

[fols. 2764-2766] A-3

(Sheets 1, 3, 41 and 42)

[fol. 2767] Extracts from Exhibit A-3

1

Illinois Bell Telephone Company, Chicago Area

Final Summary, December 31, 1924

I. C. C. Account	Cost of Reproduction
207-01 Right of Way—Exchange	$409,636
207-02 Right of Way—Toll	2,898

I. C. C. Account		Cost of Reproduction
211	Land	2,210,466
212	Buildings	14,956,193
221	Central Office Telephone Equipment	30,941,311
222	Other Equipment of Central Offices	895,928
231	Station Apparatus	11,423,309
232	Station Installations	6,307,477
233	Interior Block Wires	49,934
234	Private Branch Exchanges	5,999,170
235	Booths and Special Fittings	514,633
241	Exchange Pole Lines	3,241,882
242	Exchange Aerial Cable	4,369,831
243	Exchange Aerial Wire	2,452,397
244	Exchange Underground Conduit	21,321,681
245	Exchange Underground Cable	24,308,603
246	Exchange Submarine Cable	6,311
251	Toll Pole Lines	126,746
252	Toll Aerial Cable	7,553
253	Toll Aerial Wire	152,492
254	Toll Underground Conduit	739,253
255	Toll Underground Cable	1,628,078
256	Toll Submarine Cable	
	Miscellaneous (Pict. transm. equip't, etc.)	49,436
	Omissions and Contingencies	497,238
	Total	$132,612,456
	Engineering 5%	6,630,623
	Administrative and Legal 2%	2,652,249
	Insurance	409,681
	Taxes during Construction	2,572,682
	Interest during Construction	10,410,078
	Total Structural Plant	$155,287,769
	General Equipment	1,685,832
	Total	$156,973,601

Illinois Bell Telephone Company, Chicago Area

Total Plant

J. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1923	% Ratio of Dec. 31, 1924 Cost Level to Dec. 31, 1923 Cost Level	Cost of Reproduction of Dec. 31, 1923 at Cost Level of Dec. 31, 1924
207 01	Right of Way Exchange	$364,130	109.22	$397,703*
207 02	Right of Way Toll	2,656	109.22	2,901
221	Cent. Office Tel. Equip't.			
	Manual Local Exchange	24,683,756	92.57	22,849,753
	Local Tandem	56,552	92.89	52,531
	Toll I. B. T.	606,831	96.24	584,014
	Toll Recording I. B. T.	72,202	96.24	69,487
	Toll Long Lines	756,006	96.24	727,580
	Toll Telephone Term. Equip't	254,157	99.00	251,615
	Telegraph Equip't	498,280	100.00	498,280
	Dial	4,422,666	86.28	3,815,876
	Total	$31,350,450		$28,849,136
222	Other Equip't. of Cent. Off.	841,829	94.97	799,579
231	Station Apparatus			
	Exchange Equip't	10,322,633	99.39	10,259,665
	Teletypewriter Equip't			10,309*
	Total	$10,322,633		$10,269,974
232	Station Installations	6,539,138	89.20	5,832,911
233	Interior Block Wires	36,698	96.59	35,442
234	Private Branch Exchanges			
	Non-Multiple	3,817,303	96.98	3,702,020
	Multiple	1,628,469	98.57	1,605,182
	Total	$5,445,772		$5,307,202
235	Booths and Special Fittings	498,926	99.29	495,384
241	Exchange Pole Lines	3,373,904	91.81	3,097,377
242	Exchange Aerial Cable	3,909,636	102.61	4,011,677
243	Exchange Aerial Wire	2,342,593	97.31	2,279,577
244	Exchange Underground Conduit	20,756,618	100.16	20,789,829
245	Exchange Underground Cable	21,436,984	101.83	21,829,281
246	Exchange Submarine Cable	1,068	101.83	1,088
251	Toll Pole Lines	135,341	93.86	127,031
252	Toll Aerial Cable	9,476	103.33	9,792
253	Toll Aerial Wire	163,641	92.85	151,941
254	Toll Underground Conduit	737,886	100.16	739,067
255	Toll Underground Cable	1,421,795	100.56	1,429,757
256	Toll Submarine Cable			
	Miscellaneous	16,982	100.00	16,982
	Total	$109,708,255		$106,473,636

* Priced Inventory as of Dec. 31st.

[fol. 2769] 41

Illinois Bell Telephone Company, Chicago Area

Account 242 -Exchange Aerial Cable

Composite Material and Labor Cost Trend, 1924

Total Plant

Ratio Dec. 31, 1924 to Dec. 31, 1923 Cost of Material	101.19%
" " " " " " " " " " Labor	104.21%
Per Cent of Total Cost Material	53.0%
" " " " " Labor	47.0%
Ratio Dec. 31, 1924 to Dec. 31, 1923 Cost of Material and Labor	102.61%

Gross Additions

Ratio Dec. 1924 to 1924 Yearly Average Cost of Material	104.04%
" " " " " " " " " " Labor	100.90%
Per Cent of Total Cost Material	56.0%
" " " " " Labor	44.0%
Ratio Dec. 31, 1924 to 1924 Yearly Average Cost of Material and Labor	102.66%

[fol. 2770] 42

Illinois Bell Telephone Company, Chicago Area

Account 242 -Exchange Aerial Cable

Material Cost Trend, 1924

Total Plant

	Unit	Quan.	Cost 12 31 23	Cost 12 31 24
26 pr., 24 ga. cable	ft.	5.1	$ .39	$ .43
51 " " "	"	24.2	2.90	3.13
101 " " "	"	8.8	1.74	1.86
152 " " "	"	1	.03	.03
202 " " "	"	6	.21	.22
26 pr., 22 ga. cable	"	230.5	20.54	22.20
51 " " "	"	272.3	38.20	40.71
101 " " "	"	41.7	10.10	10.64
51 pr., 19 ga. cable	"	27.8	6.70	7.11
101 " " "	"	10.0	4.22	4.41
303 " " "	"	.6	.67	.68
Strand -6M	"	655.0	11.57	9.39
Terminals -14B	ea.	4	2.22	2.20
" -14C	"	3.1	21.39	21.24
Total			$120.88	$124.25
Supply Expense			8.55	6.72
Total Material Cost			$129.43	$130.97

Ratio Dec. 31, 1924 to Dec. 31, 1923 ..... 101.19%

Gross Additions

	Unit	Quan.	Avg. Cost 1924	Cost 12-31-24
26 pr., 24 ga. cable	ft.	5.6	$ .44	$ .47
51 " " "	"	30.7	3.71	3.97
101 " " "	"	16.7	3.35	3.53
152 " " "	"	1.1	.30	.32
202 " " "	"	1.1	.39	.41
26 pr., 22 ga. cable	"	1.6	.14	.15
51 " " "	"	12.2	1.71	1.82

	Unit	Quan.	Avg. Cost 1924	Cost 12-31-24
101 " " "	"	4.2	1.03	1.07
51 pr., 19 ga. cable	"	8.4	2.04	2.15
101 " " "	"	1.9	.78	.84
303 " " "	"	.5	.54	.57
Strand—6M	"	87.0	1.28	1.25
Terminals—14B	ea.	.4	2.20	2.20
" —14C	"	.4	2.74	2.74
Total			$20.65	$21.49
Supply Expense			1.12	1.16
Total Material Cost			21.77	$22.65
Ratio Dec. 31, 1924 to Yearly Average				104.04%

[fol. 2771] A-4

(Pages 1, 3, 9 to 18)

[fol. 2772] EXTRACTS FROM EXHIBIT A-4

1

Illinois Bell Telephone Company, Chicago Area

Final Summary, December 31, 1925

I. C. C. Account		Cost of Reproduction
207-01	Right of Way—Exchange	$438,658
207-02	Right of Way—Toll	3,048
211	Land	2,501,741
212	Buildings	15,325,753
221	Central Office Telephone Equipment	35,910,773
222	Other Equipment of Central Offices	976,540
231	Station Apparatus	12,619,403
232	Station Installations	6,477,066
233	Interior Block Wires	55,182
234	Private Branch Exchanges	6,892,456
235	Booths and Special Fittings	546,301
241	Exchange Pole Lines	3,123,274
242	Exchange Aerial Cable	4,909,633
243	Exchange Aerial Wire	2,689,874
244	Exchange Underground Conduit	22,245,123
245	Exchange Underground Cable	27,731,638
246	Exchange Submarine Cable	7,577
251	Toll Pole Lines	105,687
252	Toll Aerial Cable	7,570
253	Toll Aerial Wire	136,184
254	Toll Underground Conduit	739,259

I. C. C. Account		Cost of Reproduction
255	Toll Underground Cable	1,866,532
256	Toll Submarine Cable	.....
	Miscellaneous (Pict. transm. equip't, etc.)	85,004
	Omissions and contingencies	443,535
	Total	$145,837,811
	Engineering—5%	7,291,891
	Administrative and Legal—2%	2,916,756
	Insurance	420,287
	Taxes during Construction	3,091,762
	Interest during Construction	11,448,268
	Total Structural Plant	$171,006,775
	General Equipment	1,850,596
	Total	$172,857,371

[fol. 2773] 3

Illinois Bell Telephone Company, Chicago Area

Total Plant

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1924	% Ratio of Dec. 31, 1925 Cost Level to Dec. 31, 1924 Cost Level	Cost of Reproduction of Dec. 31, 1924 at Cost Level of Dec. 31, 1925
207-01	Right of Way—Exchange	$409,636	103.49	$423,932
207-02	Right of Way—Toll	2,898	103.49	2,999
221	Cent. Office Tel. Equip't.			
	Manual—Local Exchange	24,565,409	98.14	24,108,492
	Local Tandem	60,407	97.72	59,030
	Toll—I. B. T.	590,327	98.46	581,236
	Toll Recording—I. B. T.	69,487	98.46	68,417
	Toll—Long Lines	811,000	98.46	798,511
	Toll—Telephone Term. Equip't	342,041	99.00	338,621
	Telegraph Equip't	671,164	99.00	664,452
	Dial	3,831,476	100.36	3,845,289
	Total	$30,941,311		$30,464,028
222	Other Equip't. of Cent. Off.	895,928	96.70	866,362
231	Station Apparatus			
	Exchange Equip't	11,413,000	101.40	11,572,782
	Teletypewriter Equip't	.....	.....	23,114*
	Total	$11,413,000		$11,595,896

* Priced Inventory as of Dec. 31st.

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1924	% Ratio of Dec. 31, 1925 Cost Level to Dec. 31, 1924, Cost Level	Cost of Reproduction of Dec. 31, 1924 at Cost Level of Dec. 31, 1925
232	Station Installations	6,307,477	95 83	6,044,455
233	Interior Block Wires	49,934	98 31	49,090
234	Private Branch Exchanges			
	Non-Multiple	4,199,150	98 37	4,130,704
	Multiple	1,800,020	101 19	1,821,440
	Total	$5,999,170		$5,952,144
235	Booths and Special Fittings	514,633	99 95	514,376
241	Exchange Pole Lines	3,241,882	91 52	2,966,704
242	Exchange Aerial Cable	4,369,831	100 38	4,386,436
243	Exchange Aerial Wire	2,452,397	99 47	2,439,399
244	Exchange Underground Conduit	21,321,681	98 76	21,057,292
245	Exchange Underground Cable	24,308,603	102 23	24,850,685
246	Exchange Submarine Cable	6,311	102 23	6,452
251	Toll Pole Lines	126,746	91 05	115,402
252	Toll Aerial Cable	7,553	99 82	7,539
253	Toll Aerial Wire	152,492	103 51	157,844
254	Toll Underground Conduit	739,253	98 76	730,086
255	Toll Underground Cable	1,628,078	101 16	1,646,964
256	Toll Submarine Cable			
	Miscellaneous	49,436	100 00	49,436
	Total	$114,938,250		$114,327,611

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Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual Local Exchange

Composite Material and Labor Cost Trend

Total Plant, 1925

	Unit	Quan.	Cost 12 31 24	Cost 12 31 25
Sections, "A" Board	Sect.	1,017	$560,794	$582,934
Cord circuits, subscriber	Cct.	50,891	1,898,234	1,967,446
Subscriber answering jacks	"	360,060	2,246,774	2,181,964
Outgoing trunk multiple jacks	Jack	2,480,620	1,141,085	1,141,085
Message registers	Ea.	133,830	479,111	475,097
Outgoing call wire circuits	Cct.	323,337	268,370	258,670
Sections "B" Board	Sect.	715	377,634	391,620
Subscriber multiple jacks	Jack	6,630,760	4,906,762	4,707,840
Incoming trunk circuits				
Call wire	Cct.	53,784	1,473,144	1,406,989
Straightforward	"			
Key display call indicator	"	4,372	241,422	236,394
Frames and protectors	C Lines	7,550	789,579	777,726
Power plants	Ea.	34	578,083	599,811
Total Material Cost			$14,960,992	$14,727,576

	Unit	Quan.	Cost 12 31 24	Cost 12 31 25
Equipment Specifications			852,777	810,017
Installation Cost			3,815,053	3,726,077
Total Cost Installed			$19,628,822	$18,263,670
Ratio Dec. 31, 1925 to Dec. 31, 1924 Cost Installed				98 14%

[fol. 2775] 10

Illinois Bell Telephone Company, Chicago Area

Account 221 - Central Office Telephone Equipment

Manual Local Exchange

Composite Material and Labor Cost Trend

Gross Additions, 1925

	Unit	Quan	Avg. Cost 1925	Cost 12 31 25
Positions				
"A" Board	Pos	307	$199,522 37	$201,766 54
Call circuit, "B" Board	"	140	176,131 20	175,795 20
Straightforward	"			
Key display call indicator	"	25	65,020 25	64,880 75
Automatic display call indicator	"			
Straightforward applique	"			
Outgoing call wire circuits	Cct.	47,283	37,826 40	37,826 40
Sections, "A" Board	Sect.	101	56,107 52	57,892 19
" "B" "	"	79	42,016 15	43,269 88
Subscriber multiple jacks	Jack	806,080	580,377 60	572,316 80
" answering jacks	Cct.	40,820	249,002 400	247,369 20
Message registers	Ea.	17,400	61,770 00	61,770 00
Outgoing trunk multiple jacks	Jack	674,300	303,435 00	310,178 00
Battery, 24 volt	Ea.	1	3,758 84	3,713 27
" 48 "	"			
Charging sets	"			
Ringing sets	"			
Total Material Cost			$1,774,967 33	$1,776,778 23
Equipment Specifications			110,047 97	97,722 80
Installation Costs			654,962 94	449,524 89
Total Cost Installed			$2,539,978 24	$2,324,025 92
Ratio Dec. 30, 1925 to Yearly Average				91 50%

[fol. 2776] 11

Illinois Bell Telephone Company, Chicago Area

Account 221 - Central Office Telephone Equipment

Manual - Local Exchange

Retirement Conversion Factor, 1925

Original cost, including capitalized overheads, of retirements analyzed	$283,756

Dec. 31, 1925 cost, exclusive of capitalized overheads, of retirements analyzed	279,540
Ratio of Dec. 31, 1925 cost to original cost	98.50%

[fol. 2777] 12

Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual - Local Tandem

Composite Material and Labor Cost Trend

Total Plant, 1925

	Unit	Quan.	Cost 12 31 24	Cost 12 31 25
Sections, tandem	Sect.	16	$8,450.56	$8,763.52
Outgoing trunk multiple jacks	Jack	19,200	8,832.00	8,832.00
Outgoing call wire circuits	Cct.	3,840	3,187.20	3,072.00
Incoming trunk circuits				
Call wire	"	870	23,829.30	22,759.20
Key display call indicator	"	90	4,969.80	4,866.30
Straightforward applique	"			
Total Material Cost			$49,268.86	$48,293.02
Equipment Specifications			2,808.33	2,656.12
Installation Cost			12,563.56	12,218.13
Total Cost Installed			$64,640.75	$63,167.27
Ratio Dec. 31, 1925 to Dec. 31, 1924 Cost Installed				97.72%

[fol. 2778] 13

Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual—Local Tandem

Composite Material and Labor Cost Trend

Gross Additions, 1925

	Unit	Quan.	Avg. Cost 1925	Cost 12-31-25
Sections, tandem	Sect.		$	$
Outgoing trunk multiple jacks	Jack	4,800	2,160.00	2,208.00
Outgoing call circuits	Cct.			
Incoming trunk circuits				
Call wire	Cct.	50	1,310.50	1,308.00
Key display call indicator	"			
Straightforward applique	"	920	15,032.80	15,032.80
Total Material Cost			$18,503.30	$18,548.80
Equipment Specifications			1,020.18	1,020.18
Installation Cost			4,692.85	4,692.85
Total Cost Installed			$24,216.33	$24,261.83
Ratio Dec. 31, 1925 to Yearly Average				100.19%

[fol. 2779] 11

Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual Toll I. B. T. and Long Lines

Composite Material and Labor Cost Trend

Total Plant, 1925

	Unit	Quan.	Cost 12-31-24	Cost 12-31-25
Sections, toll	Sect.	182	$72,622	$76,058
Toll primary answering jacks	Cct.	1,310	10,729	9,733
" secondary answering jacks	Jack	5,290	15,182	13,860
" cord circuits	Cct.	2,554	135,975	131,837
" recording trunk ans. jacks	Jack	9,140	19,285	18,371
" line multiple jacks	"	44,880	115,790	111,751
" recording cord circuit	Cct.	180	6,043	6,367
" outgoing trunk multiple jacks	Jack	309,000	142,140	142,140
Frames and protectors	C Lines	215	22,485	22,147
Power plants	Ea.	1	17,002	17,642
Total Material Cost			$557,253	$549,906
Equipment Specifications			30,092	28,595
Installation Cost			132,626	130,328
Total Cost Installed			$719,971	$708,829
Ratio Dec. 31, 1925 to Dec. 31, 1924 Cost Installed				98.45%

[fol. 2780] 15

Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Manual Toll I. B. T. and Long Lines

Composite Material and Labor Cost Trend

Gross Additions, 1925

	Unit	Quan.	Avg. Cost 1925	Cost 12-31-25
Sections, toll	Sect.	182	$73,331	$76,058
Toll primary answering jacks	Cct.	1,310	9,943	9,733
" secondary answering jacks	Jack	5,290	14,230	13,860
" cord circuits	Cct.	2,554	135,056	131,837
" recording trunk ans. jacks	Jack	9,140	18,737	18,371
" line multiple jacks	"	44,880	113,546	111,751
" recording cord circuits	Cct.	180	6,232	6,367
" outgoing trunk multiple jacks	Jack	309,000	139,050	142,140
Frames and protectors	C. Lines	215	22,147	22,147
Power plants	Ea.	1	17,539	17,642
Total Material Cost			$549,811	$549,906
Equipment Specifications			28,595	28,595
Installation Cost			130,328	130,328
Total Cost Installed			$708,734	$708,829
Ratio Dec. 31, 1925 to Yearly Average				100.08%

[fol. 2781] 16

Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Toll Telephone Terminal Equipment

Composite Material and Labor Cost Trend

Total Plant, 1925

	Cost 12 31 24	Cost 12 31 25
Typical plant in service 6 30 23	$145,931	$145,667
" gross addition 1923	63,210	63,157
" " " 1924	29,451	29,240
Total Material Cost	$238,592	$238,064
Equipment Specifications	12,884	12,841
Installation Cost	56,785	56,231
Total Cost Installed, original plant and gross additions	$308,261	$305,136
Typical retirements 1923		
" " 1924		
Total Cost Installed, retirements		
Total Cost Installed, plant in service 12 31 24	$308,261	$305,136
Ratio Dec. 31, 1925 to Dec. 31, 1924 Cost Installed		99%

[fol. 2782] 17

Illinois Bell Telephone Company, Chicago Area

Account 221 Central Office Telephone Equipment

Toll Telegraph Equipment

Composite Material and Labor Cost Trend

Total Plant, 1925

	Cost 12 31 24	Cost 12 31 25
Typical plant in service 6 30 23	$242,982	$241,384
" gross additions 1923	31,662	31,560
" " 1924	179,138	179,502
Total Material Cost	$453,782	$452,446
Equipment Specifications	24,050	22,622
Installation Cost	107,093	104,063
Total Cost Installed, original plant and gross additions	$584,925	$579,131
Typical retirements 1923		
" " 1924	115,324	115,373
Total Cost Installed, retirements	$115,324	$115,373
Total Cost Installed, plant in service 12 31 24	$469,601	$463,758
Ratio Dec. 31, 1925 to Dec. 31, 1924 Cost Installed		99%

Illinois Bell Telephone Company, Chicago Area

Account 221—Central Office Telephone Equipment

Dial

Composite Material and Labor Cost Trend

Total Plant, 1925

	Cost 12-31-24	Cost 12-31-25
State Central Office		
Material cost (major items)	$2,423,798	$2,452,326
Equipment specifications	60,580	58,856
Installation cost	494,332	483,108
Total Cost Installed	$2,978,110	$2,994,290
Superior Office		
Material cost (major items)	$1,339,195	$1,352,278
Equipment specifications	58,925	55,443
Installation cost	336,138	327,251
Total Cost Installed	$1,734,258	$1,734,972
Total Cost Installed	$4,712,368	$4,729,262
Ratio Dec. 31, 1925 to Dec. 31, 1924 Cost Installed		100.36%

[fol. 2784] A-5

(Summary Sheet and Page 3)

[fol. 2785] EXTRACTS FROM EXHIBIT A-5

1

Illinois Bell Telephone Company, Chicago Area

Final Summary, December 31, 1926

	L. C. C. Account	Cost of Reproduction
207-01	Right of Way—Exchange	$475,055
207-02	Right of Way—Toll	4,289
211	Land	2,581,066
212	Buildings	15,931,523
221	Central Office Telephone Equipment	36,725,406
222	Other Equipment of Central Offices	1,105,801
231	Station Apparatus	12,588,945
232	Station Installations	6,786,887
233	Interior Block Wires	68,513
234	Private Branch Exchanges	7,454,289
235	Booths and Special Fittings	558,044

I. C. C. Account		Cost of Reproduction
241	Exchange Pole Lines	3,263,721
242	Exchange Aerial Cable	5,182,732
243	Exchange Aerial Wire	2,861,841
244	Exchange Underground Conduit	23,459,068
245	Exchange Underground Cable	28,717,944
246	Exchange Submarine Cable	7,159
251	Toll Pole Lines	95,726
252	Toll Aerial Cable	
253	Toll Aerial Wire	107,858
254	Toll Underground Conduit	28,090
255	Toll Underground Cable	2,254,251
256	Toll Submarine Cable	
	Miscellaneous (Pict. transm, equip't, etc.)	79,026
	Omissions and Contingencies	372,705
	Total	$150,709,939
	Engineering 5%	7,535,497
	Administrative and Legal 2%	3,014,199
	Insurance	440,056
	Taxes during Construction	3,466,329
	Interest during Construction	11,830,730
	Total Structural Plant	$176,996,750
	General Equipment	2,047,146
	Total	$179,043,896

[fol. 2786] 3

Illinois Bell Telephone Company, Chicago Area

Total Plant

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1925	% Ratio of Dec. 31, 1926 Cost Level to Dec. 31, 1925 Cost Level	Cost of Reproduction of Dec. 31, 1925 at Cost Level of Dec. 31, 1926
207.01	Right of Way—Exchange	$438,658	105.00	$460,591
207.02	Right of Way—Toll	3,048	105.00	3,200
221	Cent. Office Tel. Equip't.			
	Manual Local Exchange	26,844,296	88.42	23,735,726
	Local Tandem	84,111	96.88	81,487
	Toll—I. B. T.	581,236	90.72	527,297

	Toll Recording			
	I. B. T.	68,417	90 72	62,068
	Toll Long Lines	943,403	90 72	855,855
	Toll Telephone Term'l Equip't	600,480	94 00	573,109
	Telegraph Equip't	866,456	99 00	857,791
	Dial	5,913,164	96 89	5,729,265
	Total	35,910,773		$32,422,598
222	Other Equip't of Cent Off	976,540	91 71	895,585
231	Station Apparatus			
	Exchange Equip't	12,506,289	91 29	11,409,152
	Teletypewriter Equip't			41,869*
	Total	$12,506,289		$11,541,021
232	Station Installations	6,477,066	97 19	6,295,060
233	Interior Block Wires	55,182	100 16	55,270
234	Private Branch Exchanges			
	Non-Multiple	4,767,416	98 82	4,711,160
	Multiple	2,125,040	95 50	2,029,413
	Total	$6,892,456		$6,740,573
235	Booths and Special Fittings	546,391	102 09	557,719
241	Exchange Pole Lines	3,123,274	100 04	3,124,457
242	Exchange Aerial Cable	4,909,633	95 64	4,695,573
243	Exchange Aerial Wire	2,689,874	98 15	2,640,111
244	Exchange Underground Conduit	22,245,123	98 28	21,851,384
245	Exchange Underground Cable	27,731,638	94 48	26,209,852
246	Exchange Submarine Cable	7,577	94 48	7,159
251	Toll Pole Lines	105,687	102 03	107,832
252	Toll Aerial Cable	7,570	96 88	7,334
253	Toll Aerial Wire	136,184	99 27	135,190
254	Toll Underground Conduit	739,259	98 23	726,174
255	Toll Underground Cable	1,866,582	88 46	1,651,134
256	Toll Submarine Cable			
	Miscellaneous	85,004	100 00	85,004
	Total	$127,543,668		$120,203,821

*Priced Inventory as of Dec. 31st.

[fol. 2787] A 6

(Summary Sheet and Page)

[fol. 2788] EXTRACTS FROM EXHIBIT A 6

1

Illinois Bell Telephone Company, Chicago Area

Final Summary, December 31, 1927

I. C. C. Account	Cost of Reproduction
207-01 Right of Way—Exchange	$514,510
207-02 Right of Way—Toll	4,509

211	Land	3,256,350
212	Buildings	15,954,321
221	Central Office Telephone Equipment	37,977,354
222	Other Equipment of Central Offices	1,137,043
231	Station Apparatus	16,771,515
232	Station Installations	6,958,811
233	Interior Block Wires	91,330
234	Private Branch Exchanges	8,195,367
235	Booths and Special Fittings	597,183
241	Exchange Pole Lines	3,478,704
242	Exchange Aerial Cable	5,462,309
243	Exchange Aerial Wire	3,105,070
244	Exchange Underground Conduit	24,235,930
245	Exchange Underground Cable	30,852,311
246	Exchange Submarine Cable	7,640
251	Toll Pole Lines	76,534
252	Toll Aerial Cable	3,397
253	Toll Aerial Wire	91,998
254	Toll Underground Conduit	49,606
255	Toll Underground Cable	2,549,858
256	Toll Submarine Cable	
	Miscellaneous (Piet. transm. equip't, etc.)	99,638
	Omissions and Contingencies	327,154
	Total	$161,795,442
	Engineering 5%	8,089,772
	Administrative and Legal 2%	3,735,909
	Insurance	465,982
	Taxes during Construction	4,012,527
	Interest during Construction	12,700,942
	Total Structural Plant	$190,300,574
	General Equipment	2,341,675
	Total	$192,642,249

[fol. 2789]

Illinois Bell Telephone Company, Chicago Area

Total Plant

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1926	% Ratio of Dec. 31, 1927 Cost Level to Dec. 31, 1926 Cost Level	Cost of Reproduction of Dec. 31, 1926 at Cost Level of Dec. 31, 1927
207 01	Right of Way Exchange	$475,055	105.12	$499,378
207 02	Right of Way Toll	4,289	105.12	4,509
221	Cent. Office Tel. Equip't.			
	Manual Local Exchange	26,611,342	95.70	25,467,026
	Local Tandem	92,476	94.64	87,519
	Toll I. B. T.	568,197	95.36	541,833
	Toll Recording I. B. T.	62,068	95.36	59,188
	Toll Long Lines	1,038,584	95.36	990,394
	Toll Telephone Term. Equip't	692,135	91.00	629,843
	Telegraph Equip't	1,074,542	97.00	1,042,306
	Dial	6,586,092	96.98	6,387,192
	Total	$36,725,406		$35,205,301
222	Other Equip't. of Cent. Off.	1,105,801	97.91	1,082,690
231	Station Apparatus			
	Exchange Equipment	12,547,076	99.39	12,470,539
	Teletypewriter Equipment			57,696*
	Total	$12,547,076		$12,528,235
232	Station Installations	6,786,887	97.14	6,592,782
233	Interior Block Wires	68,513	104.87	71,850
234	Private Branch Exchanges			
	Non-Multiple	5,040,307	96.61	4,869,441
	Multiple	2,413,982	97.18	2,345,908
	Total	$7,454,289		$7,215,349
235	Booths and Special Fittings	558,044	100.32	559,830
241	Exchange Pole Lines	3,263,724	102.51	3,345,541
242	Exchange Aerial Cable	5,182,732	98.74	5,117,430
243	Exchange Aerial Wire	2,861,841	102.49	2,933,101
244	Exchange Underground Conduit	23,459,068	99.49	23,339,427
245	Exchange Underground Cable	28,717,944	97.41	27,974,149
246	Exchange Submarine Cable	7,159	97.41	6,974
251	Toll Pole Lines	95,726	100.63	96,329
252	Toll Aerial Cable			
253	Toll Aerial Wire	107,858	98.44	106,175
254	Toll Underground Conduit	28,090	99.49	27,947
255	Toll Underground Cable	2,254,251	97.47	2,197,218
256	Toll Submarine Cable			
	Miscellaneous	79,026	100.00	79,026
	Total	$131,782,776		$128,983,241

*Priced Inventory as of Dec. 31st.

[fol. 2790] A-7

(Summary Sheet and Page 3)

[fol. 2791] EXTRACTS FROM EXHIBIT A-7

1

Illinois Bell Telephone Company, Chicago Area

Final Summary, December 31, 1928

I. C. C. Account		Cost of Reproduction
207-01	Right of Way—Exchange	$535,540
207-02	Right of Way—Toll	1,106
211	Land	3,241,475
212	Buildings	16,838,729
221	Central Office Telephone Equipment	39,736,558
222	Other Equipment of Central Offices	1,354,196
231	Station Apparatus	17,053,137
232	Station Installations	8,252,240
233	Interior Block Wires	117,29[illegible]
234	Private Branch Exchanges	8,482,390
235	Booths and Special Fittings	624,016
241	Exchange Pole Lines	3,428,339
242	Exchange Aerial Cable	5,685,309
243	Exchange Aerial Wire	3,350,968
244	Exchange Underground Conduit	25,923,531
245	Exchange Underground Cable	32,330,859
246	Exchange Submarine Cable	6,891
251	Toll Pole Lines	67,964
252	Toll Aerial Cable	3,576
253	Toll Aerial Wire	98,206
254	Toll Underground Conduit	54,620
255	Toll Underground Cable	2,904,680
256	Toll Submarine Cable	537
	Miscellaneous (Pict. transm. equip't, etc.)	59,101
	Omissions and Contingencies	314,823
	Total	$170,466,095
	Engineering—5%	8,523,305
	Administrative and Legal—2%	3,409,323
	Insurance	498,156
	Taxes during Construction	4,534,398
	Interest during Construction	13,381,588
	Total Structural Plant	$200,812,865
	General Equipment	2,624,092
	Total	$203,436,957

[fol. 2792] 3

Illinois Bell Telephone Company, Chicago Area

Total Plant

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1927	% Ratio of Dec. 31, 1928 Cost Level to Dec. 31, 1927 Cost Level	Cost of Reproduction of Dec. 31, 1927 at Cost Level of Dec. 31, 1928
207-01	Right of Way—Exchange	$514,510	100.19	$515,488
207-02	Right of Way—Toll	4,509	100.19	4,518
221	Cent. Office Tel. Equip't:			
	Manual—Local Exchange	27,244,164	90.63	24,691,386
	Local Tandem	96,873	91.90	89,026
	Toll—I. B. T.	*577,721	92.38	533,699
	Toll Recording—I. B. T.	59,188	92.38	54,678
	Toll—Long Lines	1,230,026	92.38	1,136,298
	Toll—Telephone Term. Equip't	821,016	90.00	738,914
	Telegraph Equip't	1,185,705	97.00	1,150,134
	Dial	6,762,661	93.76	6,340,671
	Total	$37,977,354		$34,734,806
222	Other Equip't. of Cent. Off.	1,137,043	100.00	1,137,043
231	Station Apparatus			
	Exchange Equipment	16,713,819	93.30	15,593,993
	Teletypewriter Equipment			232,621*
	Total	$16,713,819		$15,826,614
232	Station Installations	6,958,811	112.29	7,814,049
233	Interior Block Wires	91,330	106.11	96,910
234	Private Branch Exchanges			
	Non-Multiple	5,406,295	94.89	5,130,033
	Multiple	2,789,072	92.09	2,568,456
	Total	$8,195,367		$7,698,489
235	Booths and Special Fittings	597,183	99.88	596,466
241	Exchange Pole Lines	3,478,704	99.10	3,447,489
242	Exchange Aerial Cable	5,462,309	99.57	5,438,821
243	Exchange Aerial Wire	3,105,070	104.22	3,236,104
244	Exchange Underground Conduit	24,235,030	104.29	25,275,651
245	Exchange Underground Cable	30,852,311	98.58	30,414,208
246	Exchange Submarine Cable	7,640	98.58	7,532
251	Toll Pole Lines	76,531	98.40	75,309
252	Toll Aerial Cable	3,397	101.88	3,461
253	Toll Aerial Wire	91,998	107.51	98,907
254	Toll Underground Conduit	49,606	104.29	51,734
255	Toll Underground Cable	2,549,858	95.63	2,438,429
256	Toll Submarine Cable			
	Miscellaneous	99,638	100.00	99,638
	Total	$142,202,921		$139,011,666

*Priced Inventory as of Dec. 31st

[fol. 2793] A–8

(Summary Sheet and Page 3)

[fol. 2794] EXTRACTS FROM EXHIBIT A–8

1

Illinois Bell Telephone Company, Chicago Area

Final Summary, December 31, 1929

I. C. C. Account		Cost of Reproduction
207–01	Right of Way—Exchange	$570,221
207–02	Right of Way—Toll	1,156
211	Land	3,497,427
212	Buildings	18,327,848
221	Central Office Telephone Equipment	42,681,217
222	Other Equipment of Central Offices	1,574,561
231	Station Apparatus	15,424,517
232	Station Installations	8,626,273
233	Interior Block Wires	142,647
234	Private Branch Exchanges	8,800,618
235	Booths and Special Fittings	776,918
241	Exchange Pole Lines	3,490,942
242	Exchange Aerial Cable	6,335,210
243	Exchange Aerial Wire	3,909,658
244	Exchange Underground Conduit	27,316,974
245	Exchange Underground Cable	37,754,914
246	Exchange Submarine Cable	13,399
251	Toll Pole Lines	54,794
252	Toll Aerial Cable	23,982
253	Toll Aerial Wire	89,983
254	Toll Underground Conduit	395,807
255	Toll Underground Cable	4,128,661
256	Toll Submarine Cable	6,326
	Miscellaneous (Pict. transm. equip't, etc.)	47,375
	Omissions and Contingencies	311,333
	Total	$184,302,761
	Engineering—5%	9,215,138
	Administrat ve and Legal—2%	3,686,055
	Insurance	529,096

Taxes during Construction	5,234,198
Interest during Construction	14,467,767
Total Structural Plant	$217,435,015
General Equipment	2,792,614
Total	$220,227,629

[fol. 2795]

3

Illinois Bell Telephone Company, Chicago Area

Total Plant

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1928	% Ratio of Dec. 31, 1929 Cost Level to Dec. 31, 1928 Cost Level	Cost of Reproduction of Dec. 31, 1928 at Cost Level of Dec. 31, 1929
207 01	Right of Way—Exchange	$535,540	103.28	$553,106
207 02	Right of Way—Toll	1,106	103.28	1,142
221	Cent. Office Tel. Equip't.			
	Manual—Local Exchange	24,869,801	95.64	23,785,478
	Local Tandem	115,660	95.50	110,455
	Toll—I. B. T.			
	Toll Recording—I. B. T.	1,781,430	97.16	1,730,837
	Toll—Long Lines			
	Toll—Telephone Term. Equip't.	1,119,583	97.00	1,085,996
	Telegraph Equip't.	1,211,038	94.00	1,138,376
	Dial	10,639,046	96.46	10,262,424
	Total	$39,736,558		$38,113,566
222	Other Equip't. of Cent. Off.	1,354,196	100.42	1,359,884
231	Station Apparatus			
	Exchange Equipment	16,820,516	84.58	14,226,792
	Teletypewriter Equipment			338,346
	Total	$16,820,516		$14,565,138
232	Station Installations	8,252,246	100.01	8,253,071
233	Interior Block Wires	117,298	108.65	127,444
234	Private Branch Exchanges			
	Non-Multiple	5,593,512	93.02	5,203,085
	Multiple	2,888,878	94.48	2,729,412
	Total	$8,482,390		$7,932,497
235	Booths and Special Fittings	624,016	98.40	614,032
241	Exchange Pole Lines	3,428,339	100.31	3,438,793
242	Exchange Aerial Cable	5,685,309	108.35	6,160,032
243	Exchange Aerial Wire	3,350,968	108.90	3,649,204
244	Exchange Underground Conduit	25,923,531	101.30	26,260,537
245	Exchange Underground Cable	32,330,859	113.07	36,556,502
246	Exchange Submarine Cable	6,891	113.07	7,792

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1928	% Ratio of Dec. 31, 1929 Cost Level to Dec. 31, 1928 Cost Level	Cost of Reproduction of Dec. 31, 1928 at Cost Level of Dec. 31, 1929
251	Toll Pole Lines	67,964	103.15	70,105
252	Toll Aerial Cable	3,576	110.48	3,951
253	Toll Aerial Wire	98,206	107.30	105,375
254	Toll Underground Conduit	54,620	101.30	55,330
255	Toll Underground Cable	2,904,680	111.02	3,224,776
256	Toll Submarine Cable	537	113.07	607
	Miscellaneous	59,101	100.00	59,101
	Total	$149,838,447		$151,111,985

*Priced Inventory as of Dec. 31st

[fol. 2796] A-9

(Summary Sheet and Page 3)

[fol. 2797] EXTRACTS FROM EXHIBIT A-9

1

Illinois Bell Telephone Company, Chicago Area
Final Summary, December 31, 1930

I. C. C. Account		Cost of Reproduction
207-01	Right of Way—Exchange	$591,656
207-02	Right of Way—Toll	1,209
211	Land	3,497,427
212	Buildings	17,831,770
221	Central Office Telephone Equipment	49,890,846
222	Other Equipment of Central Offices	1,522,380
231	Station Apparatus	15,409,338
232	Station Installations	7,956,235
233	Interior Block Wires	161,192
234	Private Branch Exchanges	10,029,938
235	Booths and Special Fittings	1,069,506
241	Exchange Pole Lines	3,562,089
242	Exchange Aerial Cable	6,328,445
243	Exchange Aerial Wire	3,851,780
244	Exchange Underground Conduit	28,756,173
245	Exchange Underground Cable	35,623,638
246	Exchange Submarine Cable	11,646

251	Toll Pole Lines	58,124
252	Toll Aerial Cable	20,271
253	Toll Aerial Wire	73,991
254	Toll Underground Conduit	471,391
255	Toll Underground Cable	4,452,581
256	Toll Submarine Cable	5,418
	Miscellaneous (Pict. transm. equip't, etc.)	46,385
	Omissions and Contingencies	304,168
	Total	$191,527,597
	Engineering—5%	9,576,380
	Administrative and Legal—2%	3,830,552
	Insurance	522,830
	Taxes during Construction	5,768,920
	Interest during Construction	15,198,500
	Total Structural Plant	$226,424,779
	General Equipment	2,900,569
	Total	$229,325,348

3

fol. 2798]

Illinois Bell Telephone Company, Chicago Area
Total Plant

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1929	% Ratio of Dec. 31, 1930 Cost Level to Dec. 31, 1929 Cost Level	Cost of Reproduction of Dec. 31, 1929 at Cost Level of Dec. 31, 1930
207-01	Right of Way—Exchange	$570,221	100.95	$575,638
207-02	Right of Way—Toll	1,156	100.95	1,167
221	Cent. Office Tel. Equip't:			
	Manual—Local Exchange	23,118,448	113.23	26,177,018
	Local Tandem	112,129	110.55	123,959
	Toll—Switchboard	3,190,030	109.54	3,494,359
	Toll—Telephone Term. Equip	1,248,216	101.00	1,260,698
	Toll—Telegraph Equip	1,353,843	103.00	1,394,458
	Dial	13,658,551	110.67	15,115,918
	Total	$42,681,217		$47,566,410
222	Other Equip't. of Cent. Off.	1,574,561	100.30	1,579,285
231	Station Apparatus			
	Exchange Equipment	15,086,171	99.52	15,013,757
	Teletypewriter Equip't	.....	.....	375,700
	Total	$15,086,171		$15,389,457

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1929	% Ratio of Dec. 31, 1930 Cost Level to Dec. 31, 1929 Cost Level	Cost of Reproduction of Dec. 31, 1929 at Cost Level of Dec. 31, 1930
232	Station Installations	8,626,273	93.43	8,059,527
233	Interior Block Wires	142,647	100.12	142,818
234	Private Branch Exchanges			
	Non-Multiple	5,587,961	108.07	6,038,909
	Multiple	3,212,657	105.48	3,388,711
	Total	$8,800,618		$9,427,620
235	Booths and Special Fittings	776,918	100.47	780,570
241	Exchange Pole Lines	3,490,942	102.09	3,563,739
242	Exchange Aerial Cable	6,335,210	98.03	6,210,406
243	Exchange Aerial Wire	3,909,658	95.70	3,741,543
244	Exchange Underground Conduit	27,316,974	102.11	27,893,362
245	Exchange Underground Cable	37,754,914	90.59	34,202,177
246	Exchange Submarine Cable	13,399	90.59	12,138
251	Toll Pole Lines	54,794	102.93	56,399
252	Toll Aerial Cable	23,982	83.18	19,948
253	Toll Aerial Wire	89,983	77.37	69,620
254	Toll Underground Conduit	395,807	102.11	404,159
255	Toll Underground Cable	4,128,661	90.55	3,738,503
256	Toll Submarine Cable	6,326	90.59	5,731
	Miscellaneous	47,375	100.00	47,375
	Total	$161,827,807		$163,487,592

*Priced Inventory as of Dec. 31st

[fol. 2799] A–10

(Summary Sheet and Page 3)

[fol. 2800] EXTRACTS FROM EXHIBIT A–1

1

Illinois Bell Telephone Company, Chicago Area
Final Summary, December 31, 1931

I. C. C. Account		Cost of Reproduction
207–01	Right of Way—Exchange	$620,803
207–02	Right of Way—Toll	1,236
211	Land	3,124,530
212	Buildings	13,308,981
221	Central Office Telephone Equipment	53,343,791
222	Other Equipment of Central Offices	1,460,226

I. C. C. Account		Cost of Reproduction
231	Station Apparatus	15,312,474
232	Station Installations	7,653,328
233	Interior Block Wires	185,050
234	Private Branch Exchanges	9,906,717
235	Booths and Special Fittings	1,324,813
241	Exchange Pole Lines	3,544,155
242	Exchange Aerial Cable	6,237,825
243	Exchange Aerial Wire	3,821,410
244	Exchange Underground Conduit	28,896,331
245	Exchange Underground Cable	35,924,072
246	Exchange Submarine Cable	42,249
251	Toll Pole Lines	53,940
252	Toll Aerial Cable	20,288
253	Toll Aerial Wire	30,762
254	Toll Underground Conduit	465,310
255	Toll Underground Cable	4,599,931
256	Toll Submarine Cable	5,420
	Miscellaneous (Pict. transm. equip't, etc.)	45,297
	Omissions and Contingencies	295,072
	Total	$190,224,011
	Engineering—5%	9,511,201
	Administrative and Legal—2%	3,804,481
	Insurance	529,137
	Taxes during Construction	5,908,742
	Interest during Construction	14,937,011
	Total Structural Plant	$224,914,583
	General Equipment	2,837,540
	Total	$227,752,123

[fol. 2801]

Illinois Bell Telephone Company, Chicago Area
Total Plant

I. C. C. Account		Cost of Reproduction Exclusive of Capitalized Overheads Dec. 31, 1930	%Ratio of Dec. 31, 1931 Cost Level to Dec. 31, 1930 Cost Level	Cost of Reproduction of Dec. 31, 1930 at Cost Level of Dec. 31, 1931
207-01	Right of Way—Exchange	$591,656	102.25	$604,968
207-02	Right of Way—Toll	1,209	102.25	1,236
221	Cent. Office Tel. Equip't.			
	Manual—Local Exchange	27,214,469	101.67	27,668,951
	Local Tandem	123,959	101.44	125,744
	Toll—Switchboard	3,832,394	100.02	3,833,160
	Toll Telephone Term. Equip	1,702,354	104.00	1,770,448
	Toll Telegraph Equip	1,588,868	101.00	1,604,757
	Dial—Exchange	15,428,802	100.03	15,433,431
	Total	$49,890,846		$50,436,491
222	Other Equipt. of Cent. Off.	1,522,380	100.18	1,525,120
231	Station Apparatus			
	Exchange Equipment	15,033,638	101.07	15,194,498
	Teletypewriter Equip't.			481,319*
	Total	$15,033,638		$15,675,817
232	Station Installations	7,956,235	100.00	7,956,235
233	Interior Block Wires	161,192	98.01	157,984
234	Private Branch Exchanges			
	Non-Multiple	5,884,607	99.38	5,848,122
	Multiple	4,145,331	100.28	4,156,938
	Total	$10,029,938		$10,005,060
235	Booths and Special Fittings	1,069,506	100.83	1,078,383
241	Exchange Pole Lines	3,562,089	99.60	3,547,841
242	Exchange Aerial Cable	6,328,445	99.34	6,286,677
243	Exchange Aerial Wire	3,851,780	96.48	3,716,197
244	Exchange Underground Conduit	28,756,173	98.71	28,385,218
245	Exchange Underground Cable	35,623,638	100.03	35,634,325
246	Exchange Submarine Cable	11,646	100.03	11,649
251	Toll Pole Lines	58,124	99.98	58,112
252	Toll Aerial Cable	20,271	100.00	20,271
253	Toll Aerial Wire	73,991	80.25	59,378
254	Toll Underground Conduit	471,391	98.71	465,310
255	Toll Underground Cable	4,452,581	100.89	4,492,209
256	Toll Submarine Cable	5,418	100.03	5,420
	Miscellaneous	46,385	100.00	46,385
	Total	$169,518,532		$170,170,286

*Priced Inventory as of Dec. 31st

(Here follows Exhibit A-11, side folios 2802-2804)

[fols. 2802 & 2803]

EXHIBIT A-11

Illinois Bell Telephone Company, Chicago Area

Amount of Construction Undertaken During Each Year of Reproduction Period, December 31, 1930

	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	Total
Right of Way	$.....	$25,000	$50,000	$100,000	$100,000	$100,000	$100,000	$50,000	$50,000	$17,865	$592,865
Land	.....	2,577,030	349,500	88,645	258,940	.....	.....	.....	.....	223,312	3,497,724
Buildings	.....	4,000,000	8,500,000	2,500,000	1,500,000	1,331,770	.....	.....	.....	.....	17,831,770
Central Office Equipment	.....	.....	10,000,000	10,000,000	10,000,000	9,000,000	7,000,000	4,000,000	1,413,226	.....	51,413,226
Station Equipment	.....	.....	1,000,000	4,000,000	5,000,000	6,000,000	6,000,000	5,000,000	4,000,000	3,626,209	34,626,209
Pole Lines	.....	100,000	300,000	500,000	750,000	750,000	500,000	400,000	250,000	70,213	3,620,213
Aerial Cable	.....	.....	300,000	500,000	1,000,000	1,200,000	1,200,000	1,000,000	750,000	398,716	6,348,716
Aerial Wire	.....	.....	.....	200,000	400,000	600,000	800,000	800,000	700,000	425,771	3,925,771
Underground Conduit	.....	1,500,000	3,000,000	5,000,000	6,000,000	5,000,000	4,000,000	3,000,000	1,000,000	727,564	29,227,564
Underground and Sub. Cable and Misc.	.....	1,000,000	3,000,000	5,000,000	7,000,000	8,000,000	7,000,000	5,000,000	3,000,000	1,139,668	40,139,668
Total	$.....	$9,202,030	$26,499,500	$27,888,645	$32,008,940	$31,981,770	$26,600,000	$19,250,000	$11,163,226	$6,629,318	$191,223,429
Omissions and Contingencies	.....	15,000	30,000	50,000	65,000	50,000	40,000	30,000	15,000	9,168	304,168
Total	$.....	$9,217,030	$26,529,500	$27,938,645	$32,073,940	$32,031,770	$26,640,000	$19,280,000	$11,178,226	$6,638,486	$191,527,597
Engineering	1,000,000	1,000,000	1,250,000	1,250,000	1,250,000	1,250,000	1,000,000	750,000	500,000	326,380	9,576,380
Administrative and Legal	500,000	750,000	750,000	600,000	500,000	300,000	200,000	125,000	75,000	30,552	3,830,552
Insurance	.....	5,000	25,000	50,000	75,000	100,000	100,000	75,000	50,000	42,830	522,830
Taxes during Construction	.....	.....	.....	311,801	1,025,663	848,532	1,024,636	972,999	871,557	713,732	5,768,920
Total	$1,500,000	$10,972,030	$28,554,500	$30,150,446	$34,924,603	$34,530,302	$28,964,636	$21,202,999	$12,674,783	$7,751,980	$211,226,279

[fol. 2804]

Illinois Bell Telephone Company, Chicago Area

Cumulative Cost of Construction Undertaken During Each Year of Reproduction Period, December 31, 1930

	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	Total
Right of Way	$.....	$25,000	$75,000	$175,000	$275,000	$375,000	$475,000	$525,000	$575,000	$592,865	$592,865
Land	.....	2,577,030	2,926,530	3,015,175	3,274,115	3,274,115	3,274,115	3,274,115	3,274,115	3,497,427	3,497,427
Buildings	.....	4,000,000	12,500,000	15,000,000	16,500,000	17,831,770	17,831,770	17,831,770	17,831,770	17,831,770	17,831,770
Central Office Equipment	.....	.....	10,000,000	20,000,000	30,000,000	39,000,000	46,000,000	50,000,000	51,413,226	51,413,226	51,413,226
Station Equipment	.....	.....	1,000,000	5,000,000	10,000,000	16,000,000	22,000,000	27,000,000	31,000,000	34,626,209	34,626,209
Pole Lines	.....	100,000	400,000	900,000	1,650,000	2,400,000	2,900,000	3,300,000	3,550,000	3,620,213	3,620,213
Aerial Cable	.....	.....	300,000	800,000	1,800,000	3,000,000	4,200,000	5,200,000	5,950,000	6,348,716	6,348,716
Aerial Wire	.....	.....	.....	200,000	600,000	1,200,000	2,000,000	2,800,000	3,500,000	3,925,771	3,925,771
Underground Conduit	.....	1,500,000	4,500,000	9,500,000	15,500,000	20,500,000	24,500,000	27,500,000	28,500,000	29,227,564	29,227,564
Underground and Sub. Cable and Misc.	.....	1,000,000	4,000,000	9,000,000	16,000,000	24,000,000	31,000,000	36,000,000	39,000,000	40,139,668	40,139,668
Total	$.....	$9,202,030	$35,701,530	$63,590,175	$95,599,115	$127,580,885	$154,180,885	$173,430,885	$184,594,111	$191,223,429	$191,223,429
Omissions and Contingencies	.....	15,000	45,000	95,000	160,000	210,000	250,000	280,000	295,000	304,168	304,168
Total	$.....	$9,217,030	$35,746,530	$63,685,175	$95,759,115	$127,790,885	$154,430,885	$173,710,885	$184,889,111	$191,527,597	$191,527,597
Engineering	1,000,000	2,000,000	3,250,000	4,500,000	5,750,000	7,000,000	8,000,000	8,750,000	9,250,000	9,576,380	9,576,380
Administrative and Legal	500,000	1,250,000	2,000,000	2,600,000	3,100,000	3,400,000	3,600,000	3,725,000	3,800,000	3,830,552	3,830,552
Insurance	.....	5,000	30,000	80,000	155,000	255,000	355,000	430,000	480,000	522,830	522,830
Taxes during Construction	.....	.....	.....	311,801	1,337,464	2,185,996	3,210,632	4,183,631	5,055,188	5,768,920	5,768,920
Total	$1,500,000	$12,472,030	$41,026,530	$71,176,976	$106,101,579	$140,631,881	$169,596,517	$190,799,516	$203,474,299	$211,226,279	$211,226,279

[fol. 2805]

Illinois Bell Telephone Company, Chicago Area

Interest During Construction

Interest Charged

December 31, 1930

Year and Month	Original Notes	No. of Half Year Periods to Run	Compound Interest Factor	Amount Including Compound Interest for "N" Half Year Periods	Additional Mos. to Run	Interest on Amount for Additional Months	Total Amount Including All Interest
1st Yr., 1st Mo.	$125,000	20	1.80613	$225,766		$	$225,766
" " 2nd "	125,000	19	1.75352	219,190	5	5,480	224,670
" " 3rd "	125,000	19	1.75352	219,190	4	4,384	223,574
" " 4th "	125,000	19	1.75352	219,190	3	3,288	222,478
" " 5th "	125,000	19	1.75352	219,190	2	2,192	221,382
" " 6th "	125,000	19	1.75352	219,190	1	1,096	220,286
" " 7th "	125,000	19	1.75352	219,190			219,190
" " 8th "	125,000	18	1.70245	212,806	5	5,320	218,126
" " 9th "	125,000	18	1.70245	212,806	4	4,256	217,062
" " 10th "	125,000	18	1.70245	212,806	3	3,192	215,998
" " 11th "	125,000	18	1.70245	212,806	2	2,128	214,934
" " 12th "	125,000	18	1.70245	212,806	1	1,064	213,870
2nd Yr., 1st Mo.	914,336	18	1.70245	1,556,611			1,556,611
" " 2nd "	914,336	17	1.65286	1,511,269	5	37,782	1,549,051
" " 3rd "	914,336	17	1.65286	1,511,269	4	30,225	1,541,494
" " 4th "	914,336	17	1.65286	1,511,269	3	22,669	1,533,938
" " 5th "	914,336	17	1.65286	1,511,269	2	15,113	1,526,382
" " 6th "	914,336	17	1.65286	1,511,269	1	7,556	1,518,825
" " 7th "	914,336	17	1.65286	1,511,269			1,511,269
" " 8th "	914,336	16	1.60472	1,467,253	5	36,681	1,503,934
" " 9th "	914,336	16	1.60472	1,467,253	4	29,345	1,496,598

Illinois Bell Telephone Company, Chicago Area

Interest During Construction

Interest Charged

December 31, 1930

Year and Month	Original Notes	No. of Half Year Periods to Run	Compound Interest Factor	Amount Including Compound Interest for "N" Half Year Periods	Additional Mos. to Run	Interest on Amount for Additional Months	Total Amount Including All Interest
" " 10th "	914,336	16	1.60472	1,467,253	3	22,009	1,489,262
" " 11th "	914,336	16	1.60472	1,467,253	2	14,673	1,481,926
" " 12th "	914,334	16	1.60472	1,467,250	1	7,336	1,474,586
3rd Yr., 1st Mo.	2,379,542	16	1.60472	3,818,499			3,818,499
" " 2nd "	2,379,542	15	1.55798	3,707,279	5	92,682	3,799,961
" " 3rd "	2,379,542	15	1.55798	3,707,279	4	74,146	3,781,425
" " 4th "	2,379,542	15	1.55798	3,707,279	3	55,609	3,762,888
" " 5th "	2,379,542	15	1.55798	3,707,279	2	37,073	3,744,352
" " 6th "	2,379,542	15	1.55798	3,707,279	1	18,536	3,725,815
" " 7th "	2,379,542	15	1.55798	3,707,279			3,707,279
" " 8th "	2,379,542	14	1.51260	3,599,295	5	89,982	3,689,277
" " 9th "	2,379,542	14	1.51260	3,599,295	4	71,986	3,671,281
" " 10th "	2,379,542	14	1.51260	3,599,295	3	53,989	3,653,284
" " 11th "	2,379,542	14	1.51260	3,599,295	2	35,993	3,635,288
" " 12th "	2,379,538	14	1.51260	3,599,289	1	17,996	3,617,285
[fol, 2806]							
4th Yr., 1st Mo.	2,512,537	14	1.51260	3,800,463			3,800,463
" " 2nd "	2,512,537	13	1.46854	3,689,761	5	92,244	3,782,005
" " 3rd "	2,512,537	13	1.46854	3,689,761	4	73,795	3,763,556

" "	4th "	2,512,537	13	1.46854	3,689,761	3	55.346	3,745,107
" "	5th "	2,512,537	13	1.46854	3,689,761	2	36.898	3,726,659
" "	6th "	2,512,537	13	1.46854	3,689,761	1	18.449	3,708,210
" "	7th "	2,512,737	13	1.46854	3,689,761			3,689,761
" "	8th "	2,512,537	12	1.42577	3,582,300	5	89.558	3,671,858
" "	9th "	2,512,537	12	1.42577	3,582,300	4	71,646	3,653,946
" "	10th "	2,512,537	12	1.42577	3,582,300	3	53.734	3,636,034
" "	11th "	2,512,537	12	1.42577	3,582,300	2	35.823	3,618.128
" "	12th "	2,512,539	12	1.42577	3,582,303	1	17.912	3,600.215
5th Yr.,	1st Mo.	2,910,384	12	1.42577	4,149,538			4,149,538
" "	2nd "	2,910,384	11	1.38424	4,028,670	5	100.717	4,129,387
" "	3rd "	2,910,384	11	1.38424	4,028,670	4	80.573	4,109,243
" "	4th "	2,910,384	11	1.38424	4,028,670	3	60.430	4,089,100
" "	5th "	2,910,384	11	1.38424	4,028,670	2	40.287	4,068,957
" "	6th "	2,910,384	11	1.38424	4,028,670	1	20.143	4,048,813
" "	7th "	2,910,384	11	1.38424	4,028,670			4,028,670
" "	8th "	2,910,384	10	1.34392	3,911,323	5	97.783	4,009,106
" "	9th "	2,910,384	10	1.34392	3,911,323	4	78.226	3,989,549
" "	10th "	2,910,384	10	1.34392	3,911,323	3	58.670	3,969,993
" "	11th "	2,910,384	10	1.34392	3,911,323	2	39.113	3,950,436
" "	12th "	2,910,379	10	1.34392	3,911,317	1	19.557	3,930,874
6th Yr.,	1st Mo.	2,877,525	10	1.34392	3,867,163			3,867,163
" "	2nd "	2,877,525	9	1.30478	3,754,537	5	93.863	3,848,400
" "	3rd "	2,877,525	9	1.30478	3,754,537	4	75.091	3,829,628
" "	4th "	2,877,525	9	1.30478	3,754,537	3	56.318	3,810,855
" "	5th "	2,877,525	9	1.30478	3,754,537	2	37.545	3,792,082
" "	6th "	2,877,525	9	1.30478	3,754,537	1	18.773	3,773,310
" "	7th "	2,877,525	9	1.30478	3,754,537			3,754,537
" "	8th "	2,877,525	8	1.26678	3,645,191	5	91.130	3,736,321
" "	9th "	2,877,525	8	1.26678	3,645,191	4	72.904	3,718,095
" "	10th "	2,877,525	8	1.26678	3,645,191	3	54.678	3,699,869
" "	11th "	2,877,525	8	1.26678	3,645,191	2	36.452	3,681,643
" "	12th "	2,877,527	8	1.26678	3,645,194	1	18.226	3,663,420

Illinois Bell Telephone Company, Chicago Area

Interest During Construction

Interest Charged

December 31, 1930

Year and Month	Original Notes	No. of Half Year Periods to Run	Compound Interest Factor	Amount Including Compound Interest for "N" Half Year Periods	Additional Mos. to Run	Interest on Amount for Additional Months	Total Amount Including All Interest
7th Yr., 1st Mo.	2,413,720	8	1.26675	3,057,652			3,057,652
" " 2nd "	2,413,720	7	1.22988	2,968,586	5	74,215	3,042,801
" " 3rd "	2,413,720	7	1.22988	2,968,586	4	59,372	3,027,958
" " 4th "	2,413,720	7	1.22988	2,968,586	3	44,529	3,013,115
" " 5th "	2,413,720	7	1.22988	2,968,586	2	29,686	2,998,272
" " 6th "	2,413,720	7	1.22988	2,968,586	1	14,843	2,983,429
" " 7th "	2,413,720	7	1.22988	2,968,586			2,968,586
" " 8th "	2,413,720	6	1.19496	2,882,127	5	72,053	2,954,180
" " 9th "	2,413,720	6	1.19496	2,882,127	4	57,643	2,939,770
" " 10th "	2,413,720	6	1.19496	2,882,127	3	43,232	2,925,359
" " 11th "	2,413,720	6	1.19496	2,882,127	2	28,821	2,910,948
" " 12th "	2,413,716	6	1.19496	2,882,122	1	14,411	2,896,533
8th Yr., 1st Mo.	1,766,917	6	1.19496	2,109,805			2,109,805
" " 2nd "	1,766,917	5	1.15928	2,048,352	5	51,209	2,099,561
" " 3rd "	1,766,917	5	1.15928	2,048,352	4	40,967	2,089,319
" " 4th "	1,766,917	5	1.15928	2,048,352	3	30,725	2,079,077
" " 5th "	1,766,917	5	1.15928	2,048,352	2	20,484	2,068,836
" " 6th "	1,766,917	5	1.15928	2,048,352	1	10,242	2,058,594
" " 7th "	1,766,917	5	1.15928	2,048,352			2,048,352

" " 8th "	1.766.917	4	1.12551	1.988.683	5	49.717	2.038.400
" " 9th "	1.766.917	4	1.12551	1.988.683	4	39.774	2.028.457
" " 10th "	1.766.917	4	1.12551	1.988.683	3	29.830	2.018.513
" " 11th "	1.766.917	4	1.12551	1.988.683	2	19.887	2.008.570
" " 12th "	1.766.912	4	1.12551	1.988.677	1	9.943	1.998.620
9th Yr., 1st Mo.	1.056.232	4	1.12551	1.188.800			1.188.800
" " 2nd "	1.056.232	3	1.09273	1.154.176	5	28.854	1.183.030
" " 3rd "	1.056.232	3	1.09273	1.154.176	4	23.084	1.177.260
" " 4th "	1.056.232	3	1.09273	1.154.176	3	17.313	1.171.489
" " 5th "	1.056.232	3	1.09273	1.154.176	2	11.542	1.165.718
" " 6th "	1.056.232	3	1.09273	1.154.176	1	5.771	1.159.947
" " 7th "	1.056.232	3	1.09273	1.154.176			1.154.176
" " 8th "	1.056.232	2	1.06090	1.120.557	5	28.014	1.148.571
" " 9th "	1.056.232	2	1.06090	1.120.557	4	22.411	1.142.968
" " 10th "	1.056.232	2	1.06090	1.120.557	3	16.808	1.137.365
" " 11th "	1.056.232	2	1.06090	1.120.557	2	11.206	1.131.763
" " 12th "	1.056.231	2	1.06090	1.120.555	1	5.603	1.126.158
[fol. 2808]							
10th Yr., 1st Mo.	645.998	2	1.06090	685.339			685.339
" " 2nd "	645.998	1	1.03000	665.378	5	16.634	682.012
" " 3rd "	645.998	1	1.03000	665.378	4	13.308	678.686
" " 4th "	645.998	1	1.03000	665.378	3	9.981	675.359
" " 5th "	645.998	1	1.03000	665.378	2	6.654	672.032
" " 6th "	645.998	1	1.03000	665.378	1	3.327	668.705
" " 7th "	645.998	1	1.03000	665.378			665.378
" " 8th "	645.998			645.998	5	16.150	662.148
" " 9th "	645.998			645.998	4	12.920	658.918
" " 10th "	645.998			645.998	3	9.690	655.688
" " 11th "	645.998			645.998	2	6.460	652.458
" " 12th "	646.002			646.002	1	3.230	649.235
Total	$211.226.279			$282.220.471		$3.510.208	$285.730.679

[fol. 2809] Illinois Bell Telephone Company, Chicago Area

Interest During Construction

Interest Credited on Plant in Service
December 31, 1930

Average Date Cut into Service	Amount Cut into Service	Number of Months in Service	Compound Interest Factor	Total Compound Interest
7-1 4th Year	40,000,000	78	.47552	$19,020,800
7-1 5th "	30,000,000	66	.38981	11,694,300
7-1 6th "	40,000,000	54	.30907	10,817,450
7-1 7th "	35,000,000	42	.23301	9,320,400
7-1 8th "	30,000,000	30	.16140	5,649,000
7-1 9th "	30,000,000	18	.09393	2,348,250
7-1 10th "	15,000,000	6	.03038	455,700
1-1 11th "	6,424,779	..	.....	.....
Total Interest Credited				$59,305,900

Summary

Total cost including all interest	$285,730,679
" " less " " (Appraisal Total)	211,226,279
Total interest during construction	$74,504,400
Less interest credited on Plant in service	59,305,900
Net Interest During Construction	$15,198,500

[fol. 2810] Illinois Bell Telephone Company, Chicago Area

Taxes During Construction
December 31, 1930

Period	Cumulative Cost of Plant Exclusive of Taxes and Interest During Construction	Cumulative Cost of Property Ready for Service on Assessment Date	Cost of Plant Assessed for Taxes During Construction Period	Amount of Taxes Chargeable to Construction at Annual Rate of 2.5%*
1st Year	$1,500,000	$.....	$1,500,000	$.....
2nd "	12,472,030	.....	12,472,030	.....
3rd "	41,026,530	.....	41,026,530	.....
4th "	70,865,175	36,923,877	33,941,298	311,801
5th "	104,764,115	63,778,658	40,985,457	1,025,663
6th "	138,445,885	99,525,909	38,919,976	848,532
7th "	166,385,885	131,523,590	34,862,295	1,024,636
8th "	186,615,885	158,066,590	28,549,295	972,999
9th "	198,419,111	186,615,885	11,803,226	871,557
10th "	205,457,359	198,419,111	7,038,248	713,732
Total amount of taxes during construction				$5,768,920

* Based on 1930 tax accrual related to Cost of Reproduction.

[fol. 2814]

Illinois Bell Telephone Company, Chicago Area

Insurance During Construction

December 31, 1930

Accident and Liability Insurance:	
Company Cost—based on 1926–1930 experience:	
Total accidents and damages expense	$1,057,960
Total Plant Department payroll	60,633,438
Ratio of accidents and damages expense to Plant Department payroll	1.74%
Total construction payroll included in above total	15,018,908
Total cost of construction	105,045,060
Ratio of construction payroll to total construction cost	14.3%
Ratio of accidents and damages expense to construction cost 1.74% x 14.3%=	.25%
Cost of Workmen's Compensation and Public Liability insurance based on commercial rates:	
Labor portion of Cost of Reproduction on which company must carry insurance	$33,504,080
Cost of insurance premiums	631,031
Cost of Reproduction exclusive of overheads as of December 31, 1930	191,527,597
Ratio of cost of premiums to Cost of Reproduction of Plant	.33%
It is estimated that 15% of the plant will be built using insurance at commercial rates and the balance of the plant based on company costs.	
15% of $191,527,597 at .33% =	$94,806
85% of 191,527,597 at .25% =	406,996
Total Accident and Liability Insurance costs	$501,802

[fol. 2812]

Fire Insurance:

	Cost of Reproduction	Cost of Reproduction Multiplied by Average Number of Months During Which Insurance is Chargeable to Construction
Buildings	$17,831,770	$225,224,727
Central Office Equip't	49,890,846	397,324,548
Total	$67,722,616	$622,549,275

Average length of time during which insurance must be carried—9.2 months.

Cost to company, 1926–1930 inclusive, of fire insurance premiums adjusted to 80% co-insurance for the full period—$.405 per $1,000 per annum.

Cost of fire insurance premiums on $67,722,616 of property for 9.2 months at rate of $.405 per $1,000 per annum—$21,028.

Summary

Accident and Liability Insurance Cost	$501,802
Fire Insurance Cost	21,028
Total Insurance during Construction	$522,830

(Here follows Exhibit A–12, side folios 2813–2814)

[fols. 2813 & 2814]

EXHIBIT A-12

Illinois Bell Telephone Company, Chicago Area

Total Undistributed Construction Costs Allocated to Plant Accounts

		6-30-23	12-31-23	12-31-24	12-31-25	12-31-26	12-31-27	12-31-28	12-31-29	12-31-30
207-01	Right of Way—Exchange	$65,030	$67,821	$76,883	$82,858	$90,333	$99,874	$104,743	$110,912	$115,682
207-02	Right of Way—Toll	498	495	545	576	815	875	216	225	236
211	Land	412,532	466,816	521,389	600,316	630,125	821,627	832,051	900,517	914,018
212	Buildings	3,007,046	3,053,291	3,330,006	3,460,016	3,647,706	3,766,547	4,031,763	4,382,718	4,315,631
221	Central Office Tel. Equip't	5,751,588	5,912,639	5,913,930	6,949,753	7,197,485	7,666,556	8,121,868	8,697,379	10,276,626
222	Other Equip't. of Central Offices	22,809	22,663	24,236	26,533	30,180	31,325	37,482	43,593	42,319
231	Station Apparatus	442,777	461,307	516,582	576,739	581,529	790,804	812,861	736,730	743,007
232	Station Installations	436,517	382,501	369,450	379,088	394,544	407,614	483,312	501,723	460,815
233	Interior Block Wires	2,321	2,122	2,878	3,160	3,953	5,335	6,879	8,284	9,432
234	Private Branch Exchange	347,778	361,709	401,131	443,502	504,750	566,453	590,915	610,420	697,423
235	Booths and Special Fittings	22,813	22,375	23,362	24,061	25,873	28,263	29,858	37,254	51,778
241	Exchange Pole Lines	404,522	411,300	400,845	390,732	410,463	445,605	440,979	446,082	456,857
242	Exchange Aerial Cable	667,492	664,482	745,789	839,197	891,574	963,586	1,010,150	1,112,079	1,117,110
243	Exchange Aerial Wire	144,460	137,436	141,927	154,004	165,493	182,518	198,037	228,030	227,607
244	Exchange Underground Conduit	4,654,337	4,731,296	4,912,519	5,179,205	5,520,221	5,870,410	6,344,802	6,643,199	7,056,122
245	Exchange Underground Cable	3,869,528	4,071,426	4,670,204	5,371,903	5,627,187	6,220,316	6,592,673	7,638,151	7,284,779
246	Exchange Submarine Cable	201	202	1,212	1,467	1,403	1,540	1,404	2,710	2,382
251	Toll Pole Line	16,131	16,499	15,670	13,221	12,039	9,804	8,742	7,002	7,455
252	Toll Aerial Cable	1,584	1,612	1,289	1,295	.....	600	636	4,212	3,579
253	Toll Aerial Wire	10,121	9,602	8,825	7,798	6,237	5,407	5,803	5,248	4,365
254	Toll Underground Conduit	168,339	168,195	170,323	172,116	6,610	12,016	13,368	96,258	115,669
255	Toll Underground Cable	262,176	270,035	312,789	361,567	441,714	514,092	592,302	835,264	910,520
256	Toll Submarine Cable	.....	.....	.....	.....	.....	.....	111	1,281	1,106
	Miscellaneous	179	2,946	8,653	15,010	14,080	18,209	10,889	8,682	8,566
	Omissions and Contingencies	113,819	111,135	104,876	95,847	82,497	75,756	74,926	74,301	74,098
	Total	$20,824,598	$21,349,905	$22,675,313	$25,168,964	$26,286,811	$28,505,132	$30,346,770	$33,132,254	$34,897,182

Detail of Omissions and Contingencies

		Total								
207-01	Right of Way—Exchange	$424	$434	$477	$494	$520	$555	$546	$546	$534
221	Central Office Tel. Equip't	9,481	8,582	5,694	3,230	1,705	.....	.....	.....	.....
233	Interior Block Wires	40	38	26	11	1	.....	.....	.....	.....
241	Exchange Pole Lines	4,374	4,094	3,463	2,839	2,538	2,260	1,452	859	131
242	Exchange Aerial Cable	1,974	1,529	506	.....	.....	.....	.....	.....	.....
244	Exchange Underground Conduit	69,099	68,826	69,387	68,570	67,356	68,007	71,019	71,293	72,823
245	Exchange Underground Cable	21,935	21,099	18,818	14,331	7,810	2,536	.....	.....	.....
251	Toll Pole Line	331	334	308	242	184	139	98	39	28
252	Toll Aerial Cable	43	44	33	34	.....	.....	.....	.....	.....
253	Toll Aerial Wire	225	215	194	164	110	82	77	53	46
254	Toll Underground Conduit	3,166	3,163	3,203	3,182	.....	.....	.....	.....	.....
255	Toll Underground Cable	2,727	2,777	2,767	2,750	2,273	2,177	1,734	1,515	536
	Total	$113,819	$111,135	$104,876	$95,847	$82,497	$75,756	$74,926	$74,301	$74,098

[fol. 2815] Illinois Bell Telephone Company, Chicago Area

Total Undistributed Construction Costs Allocated to Plant Accounts

		12-13-31
207-01	Right of Way—Exchange	$121,055
207-02	Right of Way—Toll	241
211	Land	839,410
212	Buildings	3,613,120
221	Central Office Tel. Equip't	10,914,961
222	Other Equip't. of Central Offices	40,543
231	Station Apparatus	737,524
232	Station Installations	448,314
233	Interior Block Wires	10,853
234	Private Branch Exchanges	683,222
235	Booths and Special Fittings	64,062
241	Exchange Pole Lines	451,848
242	Exchange Aerial Cable	1,088,445
243	Exchange Aerial Wire	226,538
244	Exchange Underground Conduit	7,023,013
245	Exchange Underground Cable	7,280,349
246	Exchange Submarine Cable	8,561
251	Toll Pole Lines	6,877
252	Toll Aerial Cable	3,540
253	Toll Aerial Wire	1,824
254	Toll Underground Conduit	113,089
255	Toll Underground Cable	932,220
256	Toll Submarine Cable	1,099
	Miscellaneous	8,304
	Omissions and Contingencies	71,560
	Total	$34,690,572

Detail of Omissions and Contingencies

Total:

207–01	Right of Way—Exchange	$532
221	Central Office Tel. Equip't	.....
233	Interior Block Wires	.....
241	Exchange Pole Lines	.....
242	Exchange Aerial Cable	.....
244	Exchange Underground Conduit	70,930
245	Exchange Underground Cable	.....
251	Toll Pole Lines	8
252	Toll Aerial Cable	.....
253	Toll Aerial Wire	.....
254	Toll Underground Conduit	.....
255	Toll Underground Cable	90
	Total	$71,560

[fols. 2816 & 2817]

EXHIBIT A-14

Illinois Bell Telephone Company, Chicago Area

Omissions and Contingencies Allocated to Plant Accounts

I. C. C. Account		6-30-23	12-31-23	12-31-24	12-31-25	12-31-26	12-31-27	12-31-28	12-31-29	12-31-30
207-01	Right of Way—Exch.	$2,223	$2,331	$2,537	$2,612	$2,731	$2,857	$2,789	$2,810	$2,729
221	C. O. Tel. Equip't	50,176	45,507	29,793	16,685	8,702	.....	.....	.....	.....
233	Interior Block Wires	692	651	462	208	25	.....	.....	.....	.....
241	Exch. Pole Lines	34,761	33,585	28,015	22,698	20,188	17,645	11,284	6,724	1,020
242	Exch. Aerial Cable	11,488	8,992	2,961	.....	.....	.....	.....	.....	.....
244	Exch. U. G. Conduit	302,419	301,944	301,159	294,515	286,243	280,771	290,172	293,159	296,783
245	Exch. U. G. Cable	114,759	111,104	97,947	73,979	39,864	12,574	.....	.....	.....
251	Toll Pole Lines	2,657	2,726	2,502	1,948	1,454	1,086	762	274	222
252	Toll Aerial Cable	244	250	191	191	.....	.....	.....	.....	.....
253	Toll Aerial Wire	3,720	3,639	3,372	2,830	1,892	1,419	1,302	877	792
254	Toll U. G. Conduit	13,858	13,879	13,901	13,667	.....	.....	.....	.....	.....
255	Toll U. G. Cable	14,267	14,628	14,398	14,202	11,606	10,802	8,514	7,489	2,622
	Total	$551,264	$539,236	$497,238	$443,535	$372,705	$327,154	$314,823	$311,333	$304,168

[fol. 2818]

Illinois Bell Telephone Company, Chicago Area

Omissions and Contingencies Allocated to Plant Accounts

I. C. C. Account		12-31-31
207-01	Right of Way—Exch	$2,729
221	C. O. Tel. Equip't	
233	Interior Block Wires	
241	Exch. Pole Lines	
242	Exch. Aerial Cable	
244	Exch. U. G. Conduit	291,846
245	Exch. U. G. Cable	
251	Toll Pole Lines	57
252	Toll Aerial Cable	
253	Toll Aerial Wire	
254	Toll U. G. Conduit	
255	Toll U. G. Cable	440
	Total	$295,072

(Here follows Exhibit A-15, side folios 2819 and 2820).

[fols. 2819 & 2820]

EXHIBIT A-15

Illinois Bell Telephone Company, Chicago Area

Comparison of Book Costs Less Capitalized Overheads with Appraisal Totals Les

I. C. C. Account	June 30, 1923		Dec. 31, 1923		Dec. 31, 1924		Dec. 31, 1925		Dec. 31
	Books	Appraisal	Books	Appraisal	Books	Appraisal	Books	Appraisal	Books
207-01 Right of Way—Exchange	$228,961	$340,761	$245,592	$364,130	$257,381	$409,636	$271,922	$438,658	$286,287
207-02 Right of Way—Toll	1,578	2,611	1,578	2,656	1,580	2,898	1,606	3,048	2,676
211 Land	1,639,332	1,781,774	1,644,235	2,017,821	1,641,558	2,210,466	1,707,721	2,501,741	2,050,971
212 Buildings	9,002,570	13,690,978	9,186,448	13,922,895	10,211,533	14,956,193	10,643,412	15,325,753	10,955,500
221 Central Office Tel. Equip't	25,390,210*	30,442,545	26,538,303*	31,350,450	28,902,957*	30,941,311	34,648,183*	35,910,773	39,707,362*
222 Other Equip't. of Central Offices	873,376	847,150	892,698	841,928	987,256	895,928	1,091,276	976,540	1,303,418
231 Station Apparatus	8,322,949	9,903,479	8,900,173	10,322,633	10,050,787	11,423,309	11,083,316	12,619,403	12,038,964
232 Station Installations	5,543,549	6,596,541**	5,834,171	6,539,138	6,380,477	6,307,477	6,789,359	6,477,066	7,257,204
233 Interior Block Wires	24,875	38,965	24,868	36,698	44,488	49,934	51,595	55,182	65,304
234 Private Branch Exchanges	4,699,755	5,192,846	4,988,057	5,445,772	5,736,774	5,999,170	6,755,638	6,892,456	7,539,715
235 Booths & Special Fittings	269,792	508,127	264,344	498,926	317,380*	514,633	372,478*	546,301	400,242*
241 Exchange Pole Lines	2,066,795*	3,259,502	2,153,183	3,373,904	2,326,891	3,241,882	2,507,634	3,123,274	2,663,259
242 Exchange Aerial Cable	2,911,312*	3,885,604	2,994,264	3,909,636	3,390,685	4,369,831	3,977,426	4,909,633	4,517,977
243 Exchange Aerial Wire	2,010,120*	2,380,134	2,144,024	2,342,593	2,379,491	2,452,397	2,638,512	2,689,874	2,870,028
244 Exchange Underground Conduit	8,704,047*	20,370,111	9,028,630	20,756,618	9,585,083	21,321,681	10,828,832	22,245,123	12,254,388
245 Exchange Underground Cable	16,829,173*	20,244,068	17,693,986	21,436,984	20,172,836	24,308,603	23,226,075	27,731,638	25,919,439
246 Exchange Submarine Cable	968	1,051	968	1,068	6,024	6,311	7,151	7,577	7,151
251 Toll Pole Lines	83,674*	129,991	84,589	135,341	85,007	126,746	78,233	105,687	70,552
252 Toll Aerial Cable	7,372*	9,220	7,373	9,476	5,689	7,553	5,720	7,570	1
253 Toll Aerial Wire	120,278*	166,771	120,948	163,641	121,561	152,492	104,961	136,184	84,629
254 Toll Underground Conduit	426,096*	736,754	473,627	737,886	473,813	739,253	483,731	739,259	20,043
255 Toll Underground Cable	1,206,713*	1,371,615	1,246,794	1,421,795	1,441,537	1,628,078	1,663,289	1,866,532	2,271,421
256 Toll Submarine Cable	.....	.....	.....	.....	.....	.....	.....	.....	.....
Miscellaneous (Picture trans. equip't., etc.)	1,036	1,044	16,974	16,982	49,428	49,436	84,993	85,004	79,013
Omissions and Contingencies	.....	551,264	.....	539,236	.....	497,238	.....	443,535	.....
Total	$90,364,531	$122,452,906	$94,485,827	$126,188,207	$104,570,216	$132,612,456	$119,023,063	$145,837,811	$132,364,644
Undistributed Construction Costs	3,768,742	20,725,843	4,024,478	21,349,905	4,692,944	22,675,313	5,564,720	25,168,964	6,426,710
General Accounts	1,387,375	1,387,375	1,509,746	1,509,746	1,685,832	1,685,832	1,850,596	1,850,596	2,047,146
Total	$95,520,648	$144,566,124	$100,020,051	$149,047,858	$110,948,992	$156,973,601	$126,438,379	$172,857,371	$140,838,500

* Adjusted Book Costs
** Revised.

EXHIBIT A-15

Illinois Bell Telephone Company, Chicago Area

Less Capitalized Overheads with Appraisal Totals Less Capitalized Overheads

	Dec. 31, 1925		Dec. 31, 1926		Dec. 31, 1927		Dec. 31, 1928		Dec. 31, 1929		Dec. 31, 1930	
praisal	Books	Appraisal	Books	Appraisal	Books	Appraisal	Books	Appraisal	Books	Appraisal	Books	Appraisal
609,636	$271,922	$438,658	$286,287	$475,055	$301,330	$514,510	$322,243	$535,540	$340,341	$570,221	$357,478	$591,656
2,898	1,606	3,048	2,676	4,289	2,676	4,509	654	1,106	668	1,156	709	1,209
210,466	1,707,721	2,501,741	2,050,071	2,581,066	2,186,364	3,256,350	1,902,521	3,241,475	2,106,579	3,497,427	2,121,194	3,497,427
956,193	10,643,412	15,325,753	10,955,500	15,931,523	11,329,478	15,951,321	12,454,556	16,838,729	12,913,180	18,327,848	14,145,303	17,831,770
941,311	34,648,183*	35,910,773	39,707,362*	36,725,406	42,703,089*	37,977,354	48,258,557*	39,736,558	52,952,258*	42,681,217	55,215,326*	49,890,846
885,928	1,091,276	976,540	1,303,418	1,105,801	1,333,669	1,137,043	1,541,722	1,354,196	1,742,347	1,574,561	1,653,715	1,522,380
423,309	11,083,316	12,619,403	12,038,964	12,588,945	15,527,600	16,771,515	16,650,580	17,053,137	17,384,682	15,424,517	16,962,465	15,409,338
307,477	6,789,359	6,477,066*	7,257,204	6,786,887	7,511,333	6,958,811	7,875,089	8,252,246	8,306,979	8,626,273	8,190,421	7,956,235
49,934	51,595	55,182	65,304	68,513	84,696	91,330	105,308	117,298	122,378	142,647	143,613	161,192
969,170	6,755,638	6,892,456	7,539,715	7,454,289	8,573,792	8,195,367	9,369,441	8,482,390	10,100,391	8,800,618	10,562,329	10,029,938
514,633	372,478*	546,301	400,242*	558,044	454,889*	597,183	498,396*	624,016	677,27	776,918	982,218*	1,069,506
241,882	2,507,634	3,123,274	2,663,259	3,263,721	2,817,155	3,478,704	2,845,181	3,428,339	2,937,029	3,490,942	2,976,872	3,562,089
369,831	3,977,426	4,909,633	4,517,977	5,182,732	4,908,979	5,462,309	5,193,083	5,685,309	5,426,983	6,335,210	5,607,508	6,328,445
452,397	2,638,512	2,689,874	2,870,028	2,861,841	3,046,983	3,105,070	3,174,322	3,350,968	3,431,695	3,909,058	3,583,281	3,851,780
321,681	10,828,832	22,245,123	12,254,388	23,459,068	13,237,060	24,235,930	13,935,023	25,923,531	15,027,539	27,316,974	15,930,775	28,756,173
308,603	23,226,075	27,731,638	25,919,439	28,717,944	28,921,072	30,852,311	30,902,835	32,330,859	32,281,943	37,754,914	33,942,423	35,623,638
6,311	7,151	7,577	7,151	7,159	7,828	7,640	7,185	6,891	12,890	13,399	12,403	11,646
126,746	78,233	105,687	70,552	95,726	54,118	76,534	49,791	67,964	39,585	54,794	42,063	58,124
7,553	5,720	7,570	1	.....	3,376	3,397	3,491	3,576	22,773	23,982	23,117	20,271
152,492	104,961	136,184	84,629	107,858	73,454	91,998	74,448	98,206	64,252	89,983	68,447	73,991
759,253	483,731	739,259	20,043	28,090	42,307	49,606	45,278	54,620	393,292	395,807	460,598	471,391
628,078	1,663,289	1,866,532	2,271,421	2,254,251	2,631,608	2,549,858	3,096,109	2,904,680	3,954,136	4,128,661	4,729,741	4,452,581
.....	.....	.....	.....	.....	.....	.....	539	537	6,297	6,326	5,957	5,418
49,436	84,993	85,004	79,013	79,026	99,625	99,638	59,088	59,101	47,363	47,375	46,373	46,385
497,238	.....	443,535	.....	372,705	.....	327,154	.....	314,823	.....	311,333	.....	304,168
612,456	$119,023,063	$145,837,811	$132,364,644	$150,709,939	$145,852,481	$161,795,442	$158,365,440	$170,466,095	$170,292,855	$184,302,761	$177,764,329	$191,527,597
675,313	5,564,720	25,168,964	6,426,710	26,286,811	7,219,441	28,505,132	8,298,749	30,346,770	9,521,975	33,132,254	10,546,373	34,897,182
625,832	1,850,596	1,850,596	2,047,146	2,047,146	2,341,675	2,311,675	2,624,092	2,624,092	2,792,614	2,792,614	2,900,569	2,900,569
973,601	$126,438,379	$172,857,371	$140,838,500	$179,043,896	$155,413,597	$192,642,249	$169,288,281	$203,436,957	$182,607,444	$220,227,629	$191,211,271	$229,325,348

[fol. 2821]

Illinois Bell Telephone Company, Chicago Area

Comparison of Book Costs Less Capitalized Overheads with Appraisal Totals Less Capitalized Overheads

		Dec. 31, 1931	
I. C. C. Account		Books	Appraisal
207-01	Right of Way—Exchange	$374,174	$620,803
207-02	Right of Way—Toll	709	1,236
211	Land	2,248,541	3,124,530
212	Buildings	14,109,102	13,308,981
221	Central Office Tel. Equip't.	57,714,759*	53,343,791
222	Other Equip't of Central Offices	1,578,308	1,460,226
231	Station Apparatus	16,531,706	15,312,474
232	Station Installations	7,892,950	7,653,328
233	Interior Block Wires	173,384	185,050
234	Private Branch Exchanges.	10,481,454	9,906,717
235	Booths & Special Fittings.	1,245,448*	1,324,813
241	Exchange Pole Lines	3,004,872	3,544,155
242	Exchange Aerial Cable	5,609,488	6,237,825
243	Exchange Aerial Wire	3,722,900	3,821,410
244	Exchange Underground Conduit	16,453,744	28,896,331
245	Exchange Underground Cable	34,324,083	35,924,072
246	Exchange Submarine Cable	43,003	42,249
251	Toll Pole Lines	39,562	53,940
252	Toll Aerial Cable	23,135	20,288
253	Toll Aerial Wire	35,474	30,762
254	Toll Underground Conduit	460,598	465,310
255	Toll Underground Cable	4,837,692	4,599,931
256	Toll Submarine Cable	5,957	5,420
	Miscellaneous (Picture trans. equip't., etc.)	45,285	45,297
	Omissions and Contingencies	.....	295,072
	Total	$180,956,328	$190,224,011

Undistributed Construction Costs	11,565,021	34,690,572
General Accounts	2,837,540	2,837,540
Total	$195,358,889	$227,752,123

*Adjusted Book Costs.

[fol. 2822] EXTRACT FROM EXHIBIT A–17

P–1

Inspection and Valuation of City of Chicago Buildings for Illinois Bell Telephone Company, December 31, 1923, to December 31, 1930

1. Douglas Office, 418 E. 35th Street:

1903. Original Building—2 stories and basement.

Ordinary wood construction with cinder fill in floors, stepped brick piers in basement, steel columns in 1st and 2nd story, walls carry load. Exterior treatment is pressed brick with stone trim front, with brick rear and sides. Steam heating.

Reconstruction value as of December 31st, for the following years with cubic contents and price per cubic foot.

1923	237,630 cu. ft.	at 31.80¢	cu. ft.	75,566.34
1924	237,630 "	" 32.10¢	"	76,279.23
1925	237,630 "	" 32.10¢	"	76,279.23
1926	237,630 "	" 32.72¢	"	77,752.54
1927	237,630 "	" 32.10¢	"	76,279.23
1928	237,630 "	" 31.80¢	"	75,566.34
1929	237,630 "	" 31.49¢	"	74,829.69
1930	237,630 "	" 30.56¢	"	72,619.73

2. Canal Office, 1454 W. 19th Street:

1902. Original building—2 stories and basement.
1920. Additional area to east—2 stories and basement.
1925. Partial 3rd story addition.

Framing: Original building brick footing and brick piers under columns to 1st floor, C. I. interior columns and steel beams, wood joists and floors, exterior walls carry load. 1920 and 1925 additions are similar, except that interior column footings are reinforced concrete. Exterior treatment is

pressed brick with stone base and trim on south and west elevations, remainder common brick. Steam heating.

Reconstruction value as of December 31st, for the following years with cubic contents and price per cubic foot.

1923—240,250		cu. ft. at	42.55¢	cu. ft	102,226.37
1924—240,250		" "	42.96¢	"	103,211.40
1925— 240,250 Addition 30,256	270,506	" "	42.96¢	"	116,209.38
1926—270,506		" "	43.79¢	"	118,454.58
1927—270,506		" "	42.96¢	"	116,209.38
1928—270,506		" "	42.55¢	"	115,100.30
1929—270,506		" "	42.14¢	"	113,991.23
1930—270,506		" "	40.90¢	"	110,636.95

[fol. 2823] A-17, P. 2

3. Delaware Office, 54 West Chicago Avenue:
1900. Original building—2 stories and basement.
(Prior to 1924 known as Superior Office.).

Footings are stepped, columns are cast iron, beams are steel, floors are tile arch with wood finish, walls carry load. Exterior treatment is terra cotta front, brick sides and rear with terra cotta trim. Stairs are iron, steam heating.

Reconstruction value as of December 31st, for the following years with cubic contents and price per cubic foot:

1923—233,848	cu. ft. at	47.95¢	cu. ft		112,130.12
1924—233,848	" "	48.41¢	"		113,205.82
1925—233,848	" "	48.41¢	"		113,205.82
1926—233,848	" "	49.34¢	"		115,380.60
1927—233,848	" "	48.41¢	"		113,205.82
1928—233,848	" "	47.95¢	"		112,130.12
1929—233,848	" "	47.48¢	"		111,031.03
1930—233,848	" "	46.08¢	"		107,757.16

3½. Superior Office—Dearborn and Erie Streets:
1924. Original building, basement and part two stories and part three stories.

Caissons to bed rock, steel columns and girders, reinforced concrete beams and floors, cement finish. Exterior treatment, cut stone facing on west and north, common brick on east and south. Provision for ten stories and attic and horizontal extension to east, steel stairways, terrazzo floors and landings, marble wainscot, steam heating.

Reconstruction value as of December 31st, for the following years with cubic contents and price per cubic foot:

1924—1,066,757	cu. ft. at	65.44¢	cu. ft.	698,085.78
1925—1,066,757	" "	65.44¢	"	698,085.78
1926—1,066,757	" "	66.74¢	"	711,953.62
1927—1,066,757	" "	65.44¢	"	698,085.78
1928—1,066,757	" "	64.78¢	"	691,045.18
1929—1,066,757	" "	64.13¢	"	684,111.26
1930—1,066,757	" "	62.21¢	"	663,629.53

4. Lawndale Office—3606 Ogden Avenue:
1909. Original building, 3 stories and basement.
1913. Addition, two stories and basement.
1917. Addition, 3 stories and basement.
1924. Addition, 4th story.

Framing: Original building and 1913 section has steel interior columns and beams, tile arch floors with wood finish, walls are load bearing. 1917 Addition reinforced concrete, spread footings, steel columns and beams, tile arch floors with wood finish, walls carrying load. 1924 Addition, steel columns and beams, tile arch floor with wood finish, walls carry load. Exterior treatment is terra cotta front, pressed brick sides, common brick rear.

[fol. 2824] A-17, P. 3

Reconstruction value as of December 31st, for the following years with cubic contents and price per cubic foot:

1923—447,200	cu. ft. at	47.69¢	cu. ft.	213,269.68
1924—447,200 Addition 62,677 } 509,877	" "	48.15¢	"	245,505.78
1925—509,877	" "	48.15¢	"	245,505.78
1926—509,877	" "	49.08¢	"	250,247.63
1927—509,877	" "	48.15¢	"	245,505.78
1928—509,877	" "	47.69¢	"	243,160.34
1929—509,877	" "	47.23¢	"	240,814.91
1930—509,877	" "	45.84¢	"	233,727.62

[fol. 2825] A-17, P. 4

39. Longbeach Office—1512 Carmen Avenue:
1927. Three stories and basement.

Reinforced concrete spread foundations, columns, beams and floors, cement finish. Exterior treatment pressed brick with

one story stone base on street sides and stone trim. Provision for 3 additional stories and future extension to north. Woodwork is oak, stairs and platforms are tutti colori, steam heating, unit ventilators.

Reconstruction value as of December 31st, for the following years with cubic contents and price per cubic foot:

1927—673,155	cu. ft. at	50.11¢	cu. ft. 337,317.97
1928—673,155	" "	49.61¢	" 338,952.20
1929—673,155	" "	49.10¢	" 330,519.11
1930—673,155	" "	47.60¢	" 320,421.78

40. Newcastle Office—6682 Oliphant Street:

1917. Original building, 2 stories and basement.
Leased to I. B. T. Co. until purchased in 1928.
1929. Addition, two stories and basement.

Reinforced concrete spread footings, walls carry load with the exception of a few auxiliary columns, steel beams bearing on walls, wood joists and floors. Exterior treatment is pressed brick front, and one side, remainder common brick. Provision for one more story, steam heating. Cubic contents for 1929 addition 54,000 cu. ft.

Reconstruction value as of December 31st, for the following years with cubic contents and price per cubic foot:

1928—72,500 Original	at	31.79¢	cu. ft. 23,047.75
Addition 54,000			
1929 136,500	cu. ft. at	31.48¢	cu. ft. 42,970.20
1930—136,500	" "	30.56¢	" 41,714.40

The following is a total of the reconstruction value (including the cost of buildings built since 1923) for each year from 1923 to 1930 inclusive:

1923	$13,907,707.28
1924	14,930,251.46
1925	15,299,519.16
1926	15,904,865.95
1927	15,921,134.53
1928	16,798,070.38
1929	18,285,230.91
1930	17,785,924.33

[fol. 2826] A-17, P. 21

Inspection and Valuation of City of Chicago Buildings for Illinois Bell Telephone Company, December 31, 1931

No.	Building	Volume in cu. ft.	Reconstruction Value as of 12-31-31 Per cu. ft.	Total
1.	Douglas Office	237,630	22.92¢	$54,464.80
2.	Canal Office	270,506	30.68¢	82,991.24
3.	Superior Office	1,066,757	46.66¢	497,748.81
4.	Lawndale Office	509,877	34.38¢	175,302.31
5.	West Office	371,586	40.16¢	149,228.93
6.	Yards Office	321,353	34.38¢	110,481.16
7.	Monroe Office	427,782	34.38¢	147,071.45
8.	Lakeview Office	805,773	36.98¢	297,974.85
9.	Wentworth Office	303,372	34.38¢	104,299.29
10.	Edgewater Office	363,531	37.12¢	134,892.70
11.	Humboldt Office	438,637	36.68¢	160,892.51
12.	Oakland Office	Cost reduced 25% under 1930		112,280.35
13.	Kedzie Office	486,462	34.38¢	167,245.64
14.	Lincoln Office	353,042	34.38¢	121,375.84
15.	Belmont Office	472,933	38.21¢	180,707.70
16.	Main Office	Cost reduced 25% under 1930		481,053.96
18.	Wabash Office	2,158,979	45.85¢	989,891.87
19.	Toll Building	1,010,500	42.02¢	424,613.10
20.	General Office Building	Cost reduced 25% below 1930		2,647,543.66
21.	Franklin Office	Cost reduced 25% below 1930		3,249,390.02

[fol. 2827] A-17, P. 22

22.	Stewart Office	624,277	36.68¢	$228,984.80
23.	Rogers Park Office	505,115	36.68¢	185,276.18
24.	Irving Office	465,372	36.68¢	170,698.45
25.	Beverly Office	283,791	36.68¢	104,094.53
26.	Pullman Office	294,779	36.68¢	108,124.83
27.	Prospect Office	523,735	38.21¢	200,092.96
28.	Austin Office	571,801	36.68¢	209,736.60
	Value of Parapet Wall			1,491.38
	Total			211,227.98
29.	Calumet Office	Cost reduced 25% below 1930		184,382.50
30.	Lafayette Office	326,245	39.73¢	129,617.13
31.	South Chicago Office	442,347	36.68¢	162,252.88
32.	Hyde Park Office	804,234	36.68¢	294,993.03
33.	Kildare Office	540,827	36.68¢	198,375.34
36.	Central Division Barn	1,680,000	19.9?¢	334,824.00
37.	Morrell Park Office	106,680	34.56¢	36,868.60
38.	Merrimac Office	388,023	39.34¢	152,648.24
39.	Longbeach Office	673,155	35.70¢	240,316.33
40.	Newcastle Office	136,500	22.92¢	31,295.80
	Grand Total			$13,263,523.87

[fol. 2828] EXTRACTS FROM EXHIBIT A-18.

1

Chicago, Illinois, April 14, 1931.

Illinois Bell Telephone Company, Chicago, Illinois.

GENTLEMEN: As requested I have personally inspected and considered the values as of December 31, 1923, 1924,

1925, 1926, 1927, 1928, 1929 and 1930 of the several parcels of real estate and leaseholds owned and controlled by you situated in the City of Chicago, Illinois, and described in the accompanying report as Tracts #1 to 44, inclusive:

In my opinion the value of said real estate and leaseholds, exclusive of improvements thereon, was as follows:

December 31, 1923	$2,017,821.00
December 31, 1924	2,210,466.00
December 31, 1925	2,501,741.00
December 31, 1926	2,581,066.00
December 31, 1927	3,256,350.00
December 31, 1928	3,241,475.00
December 31, 1929	3,497,427.00
December 31, 1930	3,497,427.00

Respectfully submitted.

Ward T. Huston.

[fol. 2829] A-18, P. 48

Chicago, Illinois, January 15, 1932.

Illinois Bell Telephone Company, Chicago, Illinois.

GENTLEMEN: As requested I have personally inspected and considered the values as of December 31, 1931, of the several parcels of real estate and leaseholds owned and controlled by you situated in the City of Chicago, Illinois, and described in the accompanying report [as Tracts #1 to 39, inclusive]*.

In my opinion the value of said real estate and leaseholds, exclusive of improvements thereon, was $3,124,530.00.

Respectfully submitted.

Ward R. Huston.

*Stricken in copy.

(Here follows Exhibit A-22, side folio 2830)

EXHIBIT A-22

PER CENT CONDITION OF PLANT ON DECEMBER 31 OF EACH YEAR FROM 1923 TO 1930 - CHICAGO.

Acct. No.	Classes of Plant	1923 Reproduction Cost	1923 % Cond.	1923	1924 Reproduction Cost	1924 % Cond.	1924	1925 Reproduction Cost	1925 % Cond.	1925	1926 Reproduction Cost	1926 % Cond.	1926	1927 Reproduction Cost	1927 % Cond.	1927	1928 Reproduction Cost	1928 % Cond.
212	Buildings	18976186	93	17787853	18286199	93	17006165	18785769	93	17470765	19579229	93	18208663	19717868	93	18337617	20870492	93
221	Central Ofc.Telephone Eqpt.	37517178	92	34531804	36890728	92	33939470	42880441	92	39450006	43933298	92	40418634	45643910	92	41992397	47858426	91
222	Other Central Office Eqpt.	864591	94	812716	920164	94	864954	1003073	94	942889	1135981	94	1067822	1168368	94	1098266	1391678	94
231	Station Apparatus	10783940	91	9813385	11939891	91	10865301	13196142	91	12008489	13170474	91	11985131	17562319	91	15981710	17865998	91
232	Station Installations	6921639	90	6229475	6576927	90	6009234	6854154	90	6168739	7181431	90	6463288	7366425	90	6629783	8735558	90
233	Interior Block Wires	39509	86	33978	53300	86	45838	58661	86	50362	72492	86	62343	96665	86	83132	124177	86
234	Private Branch Exchanges	5807481	88	5110583	6400301	89	5696268	7355958	90	6620362	7959039	91	7242725	8761820	92	8060874	9073305	92
235	Booths & Special Fittings	521301	78	406615	537995	79	425016	571362	79	451376	583917	80	467134	625446	80	500357	653874	81
241	Exchange Pole Lines	3822883	78	2981849	3674205	78	2865880	3539543	78	2760844	3696910	78	2883590	3944214	78	3076487	3882054	78
242	Exchange Aerial Cable	4584639	88	4034482	5119087	88	4504797	5748830	88	5058970	6074306	88	5345389	6425885	88	5654788	6695459	88
243	Exchange Aerial Wire	2480029	84	2083224	2594324	84	2179232	2843878	84	2388858	3027334	84	2542961	3287588	84	2761574	3549005	84
244	Exchange Underground Conduit	25858684	91	23531402	26604746	91	24210319	27787413	91	25286546	29332888	91	26692928	30455118	91	27714157	32629524	91
245	Exchange Underground Cable	25640613	95	24358582	29095572	95	27640793	33191851	95	31532258	34392805	95	32673165	37087737	95	35233350	38923532	95
246	Exchange Submarine Cable	1270	94	1194	7523	94	7072	9044	94	8501	8562	94	8048	9180	94	8629	8295	94
251	Toll Pole Lines	154900	77	119273	145226	77	111824	121098	77	93245	109403	77	84240	87563	77	67424	77566	77
252	Toll Aerial Cable	11382	98	11154	9066	98	8885	9090	98	8908	-	-	-	3997	98	3917	4212	98
253	Toll Aerial Wire	177097	99	175326	164883	99	163234	146976	99	145506	116097	99	114936	98906	99	97917	105388	99
254	Toll Underground Conduit	923123	99	913892	926680	99	917413	928224	99	918942	34700	99	34353	61622	99	61006	67988	99
255	Toll Underground Cable	1709235	96	1640866	1958032	96	1879711	2245051	96	2155249	2709844	96	2601450	3076929	96	2953852	3507230	96
256	Toll Submarine Cable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	648	94
274	Miscellaneous	19928	85	16939	58089	85	49376	100014	85	85012	93106	85	79140	117847	85	100170	89990	85
	Sub-Total	144815608	91	132394592	152062938	91	139390782	167376472	91	153605827	173211816	91	158979960	185599417	91	170447407	196094399	91
260	General Equipment	1509746	78	1177802	1685832	78	1314949	1850598	78	1443467	2042148	78	1593276	2241675	78	1748507	2424369	88

EXHIBIT A-22

PER CENT CONDITION OF PLANT ON DECEMBER 31 OF EACH YEAR FROM 1923 TO 1930 - CHICAGO.

1924		1925			1926			1927			1928			1929			1930		
% Cond.		Reproduction Cost	% Cond.		Reproduction Cost	% Cond.		Reproduction Cost	% Cond.		Reproduction Cost	% Cond.		Reproduction Cost	% Cond.		Reproduction Cost	% Cond.	
93	17006165	18785769	93	17470765	19579229	93	18208663	19717862	93	18337617	20870492	93	19409558	22710566	93	21120826	22147401	93	20597083
92	33939470	42880441	92	39450006	43933298	92	40418634	45643910	92	41992397	47858426	92	44029752	51378596	93	47782094	60167472	93	55955749
94	864954	1003073	94	942889	1135981	94	1067822	1168368	94	1098266	1391678	94	1308177	1618154	94	1521065	1564699	94	1470817
91	10865301	13196142	91	12008489	13170474	91	11985131	17562319	91	15981719	17865998	91	16258058	16161247	91	14706735	16152345	91	14698834
90	6009234	6854154	90	6168739	7181431	90	6463288	7366425	90	6629783	8735558	90	7862002	9127996	90	8215196	8417050	90	7575345
86	45838	58661	86	50362	72492	86	62343	96665	86	83132	124177	86	106792	150931	86	129801	170624	86	146737
89	5696268	7355958	90	6620362	7959039	91	7242725	8761820	92	8060874	9073305	93	8438174	9411038	94	8846376	10727361	94	10083719
79	425016	571362	79	451376	583917	80	467134	625446	80	500357	653874	81	529638	814172	83	675763	1121284	85	953091
78	2865880	3539543	78	2760644	3696910	78	2883590	3944214	78	3076487	3882054	78	3028002	3944807	78	3076793	4020097	78	3135676
88	4504797	5748830	88	5058970	6074306	88	5345389	6425895	88	5654788	6695459	88	5892004	7447289	88	6553614	7445555	88	6552088
84	2179232	2843878	84	2388858	3027334	84	2542961	3287588	84	2761574	3549005	84	2981134	4137698	84	3475658	4079387	84	3426585
91	24210319	27787413	91	25286546	29332888	91	26692928	30455118	91	27714157	32629524	91	29692867	34324625	91	31235409	36181901	91	32925630
95	27640793	33191851	95	31532258	34392805	95	32673185	37087737	95	35233350	38923532	95	36977355	45393065	95	43123412	42908417	95	40762996
94	7072	9044	94	8501	8562	94	8042	9180	94	8629	8295	94	7797	16109	94	15142	14088	94	13186
77	111824	121098	77	93245	109403	77	84240	87563	77	67424	77566	77	59726	62106	77	47821	65929	77	50688
98	8885	9090	98	8908	-	-	-	3997	98	3917	4212	98	4128	28194	98	27630	23850	98	23373
99	163234	146976	99	145506	116097	99	114936	98906	99	97917	105388	99	104334	96161	99	95199	79194	99	78402
99	917413	928224	99	918942	34700	99	34353	61622	99	61006	67988	99	67308	492065	99	487144	587060	99	581189
96	1879711	2245051	96	2155249	2709844	96	2601450	3076929	96	2953852	3507230	96	3366941	4973920	96	4774012	5366259	96	5151609
-	-	-	-	-	-	-	-	-	-	-	648	94	609	7607	94	7151	6524	94	6133
85	49376	100014	85	85012	93106	85	79140	117847	85	100170	69990	85	59492	56057	85	47648	54951	85	46708
91	139390782	167376472	91	153605827	173211816	91	158975960	185599417	91	170417407	196094399	91	180183878	212351201	92	195964489	221301296	92	204235438
78	[illegible]	[illegible]	78	[illegible]	[illegible]	78	[illegible]	[illegible]	78	1828507	2024092	78	2046992	2792614	78	2178239	2900569	78	2263444

	Sub-Total	144815608	91	132394592	152062938	91	139390782	167376472	91	153605827	173211816	91	158975960	188[illegible]417	91	170417407	19609439[illegible]
260	General Equipment	1509746	78	1177602	1685832	78	1314949	1850596	78	1443465	2047146	78	1596774	2241675	78	1826507	2[illegible]4[illegible]
	Total	146125354	91	133572194	153748770	91	140705731	169227068	91	155049292	175258962	91	160572734	18784109[illegible]	91	172243914	19[illegible]1849[illegible]

91	139390782	167376472	91	153605827	173211816	91	158975960	185699417	91	170417407	196094399	91	190183878	212351201	92	195964489	221301288	92	204235438	
78	1314949	1850596	78	1443465	2047146	78	1596774	2341675	78	1826507	2674092	78	2046792	2792614	78	2178229	2900569	78	2262444	
91	140705731	169227068	91	155049292	175258962	91	160572734	187941092	91	172243914	198718491	91	182130670	215143815	92	198142728	224201857	92	206497582	

[fol. 2831] EXTRACTS FROM EXHIBIT A-40

Page 1

Section II

Analysis of Traffic in Connection with Separation of Property Between Intrastate Use and Interstate Use

* * * * * * *

[fol. 2832] A-40, Page 5

Excerpt from Section II

* * * * * * *

9. Local Central Offices:

The offices under this classification are the manually operated and dial operated offices within the city of Chicago used principally for handling:

(a) Local subscriber to local subscriber connections.

(b) Local subscriber to Toll Office for placing requests for toll connections.

(c) Toll Office to local subscriber for completing toll connections.

Page 6

(d) Local subscriber to A-B toll point directly or via the Tandem Office.

(e) A-B toll point to local subscriber directly or via the Tandem Office.

These equipments including the subscribers' lines and stations served therefrom were separated on the basis of use.

"Use" in this connection denotes the total time subscribers' lines are connected at the switchboards including both conversation time and holding time necessary to establish the connections and to make the disconnections.

[fol. 2833] For calls between local stations of the exchange system total minutes' use was determined by applying to the annual number of such calls the average holding time in minutes per call.

For calls between subscriber stations and the Toll Office, total minutes' use was determined by applying to the annual volume of each class of call (person to person intrastate and interstate, station to station intrastate and interstate) the average holding time in minutes. This average holding time includes allowance for incidental use such as requests for information on toll calls, reports on calls placed, information on charges, etc.

For calls from the Toll Office to subscribers' stations in connection with the completion of both outgoing requests for toll connections and incoming toll board calls from distant points the total minutes' use was determined by applying to the annual volume of incoming toll switching attempts or number of times the subscriber line is taken and held on such calls, the average number of minutes per switching attempt.

For calls outgoing from the local stations to short haul toll points (A-B Toll) handled by local central office operators either directly or via the Tandem Office the total minutes' use was determined by applying to the annual volume of such calls the average holding time in minutes per call.

For calls incoming from short haul toll points (A-B Toll) handled by local central office operators either directly or via the Tandem Office total minutes' use was determined by applying to the annual volume of such calls the average holding time in minutes per call.

Page 7

The sum of the above products provides total minutes' use of the subscriber lines, stations and equipment for all services which when divided into the respective minutes' [fol. 2834] use for local exchange, intrastate and interstate toll, provide the relative percentages of use of the jointly used plant and equipment for local exchange, intrastate and interstate toll purposes.

[fol. 2835] Section IV

Apportionment of Operators' Wages and Transmission Power

Operators' Wages—Account 624-11:

Operators' wages were apportioned on the basis of the relative number of operating labor units of operators using

the equipment in handling local exchange, intrastate toll and interstate toll calls. An operating labor unit is the unit of labor required to complete a local flat rate call by the "A" operator at multiple type switchboards. The operating labor units for other calls of various classes, exchange and toll, are measured in terms of this unit.

The operating labor unit volumes were obtained as follows:

Local Manual and Dial Offices:

From Forms E-108, E-436, E-344 and E-425 "Local Peg Count Summaries" available for all years 1923-1930 inclusive the average day total originating and incoming units were obtained. The units applying to the various classes of toll calls such as originating A-B toll intrastate, originating A-B toll interstate, incoming A-B toll intrastate, incoming A-B toll interstate, originating for toll board intrastate, originating for toll board interstate and incoming from toll board were obtained by the application of coefficients derived from basic records or built up using the standard coefficient allowances weighted for distribution of traffic. These coefficients vary each year due to changes in operating methods and to the changes in the relative proportion of particular types of calls handled on particular types of equipment. The total units corresponding to the volume of calls incoming from the toll board were apportioned to interstate and intrastate by applying ratios of interstate outfiled calls to total outfiled calls and intrastate outfiled calls to total outfiled calls, respectively. The units applying to local exchange calls were obtained by deducting the toll units from the total units.

Tandem Office

The average day units were obtained from Forms E-108 and E-436 and distributed to local, intrastate toll and interstate toll as the calls handled at the board were distributed to these three classes.

[fol. 2836] Toll Office

The units per outward, inward and through switch calls were obtained from supplementary peg count records

Forms E-428 and E-864 for all years and applied to the respective volumes of intrastate and interstate calls to obtain the total number of intrastate and interstate units.

Transmission Power—Account 628:

The cost of power, electric or other, purchased for transmitting traffic and for operating signals was obtained by applying to the respective classes of traffic, local, intrastate toll and interstate toll, the respective average current drain or energy in ampere seconds used per call.

Form 3102

EXHIBIT A-41

APPORTIONMENT OF REPRODUCTION COST NEW TO INTRASTATE AND INTERSTATE PROPERTY AS OF DEC. 31ST OF EACH OF THE YEARS 1923-1930 INCLUSIVE.

CITY OF CHICAGO

STATION TO ST

PERIOD	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS												APPORTIONM			
		TOLL						INTRASTATE EXCHANGE			INTRASTATE TOTAL			TOLL			
		TOTAL			INTERSTATE			INTRASTATE						TOTAL		INTER	
12-31-1923	149,047,858	12,886,511			6,655,078			6,231,433			136,161,347			142,392,780			8,646		4,46
12-31-1924	156,973,601	14,743,809			7,749,564			6,994,245			142,229,792			149,224,037			9,393		4,93
12-31-1925	172,857,371	17,532,270			9,603,725			7,928,545			155,325,101			163,253,646			10,143		5,56
12-31-1926	179,043,896	19,264,814			10,491,368			8,773,446			159,779,082			168,552,528			10,760		5,86
12-31-1927	192,642,249	22,372,823			12,086,103			10,286,720			170,269,426			180,556,146			11,614		6,27
12-31-1928	203,436,957	26,592,358			14,679,451			11,912,907			176,844,599			188,757,506			13,072		7,21
12-31-1929	220,227,629	32,397,498			17,888,543			14,508,955			187,830,131			202,339,086			14,711		8,12
12-31-1930	229,325,348	36,218,671			20,607,875			15,610,796			193,106,677			208,717,473			15,794		8,98

EXHIBIT A-41

NT OF REPRODUCTION COST NEW TO INTRASTATE AND INTERSTATE PROPERTY
AS OF DEC. 31ST OF EACH OF THE YEARS 1923-1930 INCLUSIVE.

CITY OF CHICAGO — STATION TO STATION BASIS.

APPORTIONMENT OF (A) DOLLARS														APPORTIONMENT OF (A) PERCENT									
TOLL								INTRASTATE EXCHANGE			INTRASTATE TOTAL			TOLL						INTRA EXCH.		INTRA TOTAL	
TOTAL			INTERSTATE			INTRASTATE								TOTAL		INTER		INTRA					
12	886	511	6	655	078	6	231	433	136	161	347	142	392	780	8.	646	4.	465	4.	181	91.	354	95.	535
14	743	809	7	749	564	6	994	245	142	229	792	149	224	037	9.	393	4.	937	4.	456	90.	607	95.	063
17	532	270	9	603	725	7	928	545	155	325	101	163	253	646	10.	143	5.	556	4.	587	89.	857	94.	444
19	264	814	10	491	368	8	773	446	159	779	082	168	552	528	10.	760	5.	860	4.	900	89.	240	94.	140
22	372	823	12	086	103	10	286	720	170	269	426	180	556	146	11.	614	6.	274	5.	340	88.	386	93.	726
26	592	358	14	679	451	11	912	907	176	844	599	188	757	506	13.	072	7.	216	5.	856	86.	928	92.	784
32	397	498	17	888	543	14	508	955	187	830	131	202	339	086	14.	711	8.	123	6.	588	85.	289	91.	877
36	218	671	20	607	875	15	610	796	193	106	677	208	717	473	15.	794	8.	987	6.	807	84.	207	91.	014

Form 3102

APPORTIONMENT OF REPRODUCTION COST NEW TO INTRASTATE AND INTERSTATE PROPE
AS OF DEC. 31ST OF EACH YEAR

CITY OF CHICAGO — STATION

PERIOD	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS								APPORTIONM	
		TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL		TOLL	
		TOTAL	INTERSTATE	INTRASTATE				TOTAL	INTER
12-31-1931	227 752 123	36 573 446	21 093 017	15 480 429	191 178 677	206 659 106		16.058	9.26

OF REPRODUCTION COST NEW TO INTRASTATE AND INTERSTATE PROPERTY
DEC 31ST OF EACH YEAR

2838

CITY OF CHICAGO — STATION TO STATION

APPORTIONMENT OF (A) DOLLARS													APPORTIONMENT OF (A) PERCENT							
L	TOLL						INTRASTATE EXCHANGE			INTRASTATE TOTAL			TOLL				INTRA EXCH		INTRA TOTAL	
	INTERSTATE			INTRASTATE									TOTAL		INTER		INTRA			
446	21	093	017	15	480	429	191	178	677	206	659	106	16.	058	9.	261	6.	797	83.	942	90.	739

ILLINOIS BELL TELEPHONE COMPANY – CHICAG

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-23

TO

INTRASTATE AND INTERS[redacted]OPERTY BY ACCOUNTS AND SUB-AC

ACCOUNT NUMBERS I.C.C.	ACCOUNT NUMBERS I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPO[redacted]NT OF (A) DOLLARS TO TOTAL	INTERST[redacted]TRASTATE	INTRASTATE EXCHANGE	INTRASTATE TOTAL
207-01		RIGHT OF WAY (EXCH)	434 716	12 419	4 375	8 044	422 297	430
207-02		" " " (TOLL)	3 151	3 151	2 902	249	-	
212		BUILDINGS	16 960 998	1 977 144	1 215 087	762 057	14 983 854	15 745
212	10-AC	IMPROV. TO RENTED BUILDINGS	15 188	1 771	1 089	682	13 417	14
211		LAND	2 484 637	287 656	177 205	110 451	2 196 981	2 307
221	7C	CENT. OFFICE EQUIPMENT	31 157 131	2 577 823	1 276 066	1 301 757	28 579 308	29 881
221	87C-97C	" "	5 264 404	418 590	169 092	249 498	4 845 814	5 095
221	307-C	" " "	895 643	895 643	853 176	42 465	-	42
222		OTHER EQUIP OF CENT. OFFS.	864 591	113 219	69 902	43 317	751 372	794
231		STATIONS (TELETYPEWRITER)	-	-	-	-	-	-
231		" OTHER	10 783 940	320 337	128 642	191 695	10 463 603	10 655
232		STATION INSTALLATION	6 921 639	200 890	80 922	119 968	6 720 749	6 840
233		INTERIOR BLOCK WIRES	39 509	1 126	395	731	38 383	39
234		PRIVATE BRANCH EXCHANGES	5 807 481	137 095	48 104	88 991	5 670 386	5 759
235		BOOTHS AND SPECIAL FITTINGS	521 301	14 857	5 213	9 644	506 444	516
241-251		EXCH. AND TOLL POLE LINES	3 977 783	263 852	162 189	101 663	3 713 931	3 815
242-252		" " " AER. CABLE	4 596 021	134 894	48 631	86 263	4 461 127	4 547
243-253		" " " " WIRE	2 657 126	193 328	126 973	66 355	2 463 798	2 530
244-254		" " " U.G. CONDUIT	26 781 807	2 171 545	877 254	1 294 291	24 610 262	25 904
245-255		" " " " CABLE	27 351 118	2 922 814	1 232 646	1 690 168	24 428 304	26 118
246-256		" " " SUBM. "	-	-	-	-	-	-
274	-02	MISCELLANEOUS CONST.	1 178	--	--	--	--	--

ILLINOIS BELL TELEPHONE COMPANY - CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-23

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

STATION TO STATION BASIS

ION	APPORTIONMENT OF (A) DOLLARS					APPORTIONMENT OF (A) PERCENT				
	TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	TOLL			INTRA EXCH.	INTRA TOTAL
	TOTAL	INTERSTATE	INTRASTATE			TOTAL	INTER.	INTRA.		
716	12 419	4 375	8 044	422 297	430 341	2.857	1.006	1.851	97.143	98.994
151	3 151	2 902	249	-	249	100.000	92.098	7.902	-	7.902
998	1 977 144	1 215 087	762 057	14 983 854	15 745 911	11.657	7.164	4.493	88.343	92.836
188	1 771	1 089	682	13 417	14 099	11.661	7.170	4.491	88.339	92.830
837	287 656	177 205	110 451	2 196 981	2 307 432	11.577	7.132	4.445	88.423	92.868
151	2 577 823	1 276 066	1 301 757	28 579 308	29 881 065	8.274	4.096	4.178	91.726	95.904
404	418 590	169 092	249 498	4 845 814	5 095 312	7.951	3.212	4.739	92.049	96.788
643	895 643	853 178	42 465	-	42 465	100.000	95.259	4.741	-	4.741
591	113 219	69 902	43 317	751 372	794 689	13.095	8.085	5.010	86.905	91.915
-	-	-	-	-	-	-	-	-	-	-
940	320 337	128 642	191 695	10 463 603	10 655 298	2.971	1.193	1.778	97.029	98.807
639	200 890	80 922	119 968	6 720 749	6 840 717	2.902	1.169	1.733	97.098	98.831
509	1 126	395	731	38 383	39 114	2.850	1.000	1.850	97.150	99.000
481	137 095	48 104	88 991	5 670 386	5 759 377	2.381	.829	1.552	97.639	99.171
301	14 857	5 213	9 644	506 444	516 088	2.850	1.000	1.850	97.150	99.000
763	263 852	162 189	101 663	3 713 931	3 815 594	6.633	4.077	2.556	93.367	95.923
021	134 894	48 631	86 263	4 461 127	4 547 390	2.935	1.058	1.877	97.065	98.942
126	193 328	126 973	66 355	2 463 798	2 530 153	7.276	4.779	2.497	92.724	95.221
807	2 171 545	877 254	1 294 291	24 610 262	25 904 553	8.108	3.275	4.833	91.892	96.725
118	2 922 814	1 232 646	1 690 168	24 428 304	26 118 472	10.686	4.507	6.179	89.314	95.493
-	-	-	-	-	-	-	-	-	-	-
172	33	12	21	1 139	1 160	2.816	1.024	1.792	97.184	98.976

		U.G. CONDUIT	26	781	807	2	171	545		877	254	1	294	291	24	610	262	25	904	
245-255		" CABLE	27	351	118	2	922	814	1	232	646	1	690	168	24	428	304	26	118	
246-256		SUBM. "		-			-				-			-		-			-	
274	-02	MISCELLANEOUS CONST.		1	172			33			12			21		1	139		1	5
274	80C-90C	" "		-			-				-			-		-			-	
274	70-73C	" "		18	756		-				-			-		18	756		18	3
		TOTAL STRUCTURAL PLANT	147	538	112	12	648	187	6	479	877	6	168	310	134	889	925	141	058	2
		GENERAL EQUIPMENT	1	509	746		129	431		66	308		63	123	1	386	315	1	443	4
		SUB-TOTAL	149	047	858	12	777	618	6	546	185	6	231	433	136	270	240	142	501	8
		INTRASTATE EXCHANGE PROPERTY USED FOR INTERSTATE SERVICE				+	108	893	+	108	893				-	108	893	-	108	8
		GRAND TOTAL	149	047	858	12	886	511	6	655	078	6	231	433	136	161	347	142	392	7

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ILLINOIS BELL TELEPHONE COMPANY – CHIC

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-24

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-

ACCOUNT NUMBERS I.C.C.	ACCOUNT NUMBERS I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS — TOLL — TOTAL	TOLL — INTERSTATE	TOLL — INTRASTATE	INTRASTATE EXCHANGE	INTRAS TOT
207-01		RIGHT OF WAY (EXCH)	489 533	14 717	4 974	9 743	474 816	48
207-02		" - " (TOLL)	3 443	3 443	3 209	234	-	
212		BUILDINGS	18 260 257	2 263 722	1 408 038	855 684	15 996 535	16 85
212	10-AC	IMPROV. TO RENTED BUILDINGS	25 942	3 217	2 000	1 217	22 725	2
211		LAND	2 731 855	345 309	216 176	129 133	2 386 546	2 51
221	7C-	CENT. OFFICE EQUIPMENT	31 114 508	2 647 109	1 321 842	1 325 267	28 467 399	29 79
221	87C-97C	" " "	4 568 195	399 599	154 796	244 803	4 168 596	4 41
221	307-C	" " "	1 208 025	1 208 025	1 153 024	55 001	-	
222		OTHER EQUIP. OF CENT. OFFS.	920 164	121 015	72 735	48 280	799 149	84
231		STATIONS (TELETYPEWRITER)	10 775	-	-	-	10 775	1
231		" OTHER	11 989 116	369 440	141 837	227 603	11 559 676	11 70
232		STATION INSTALLATION	6 676 927	202 122	78 188	123 934	6 474 805	6 5
233		INTERIOR BLOCK WIRES	53 300	1 599	538	1 061	51 701	
234		PRIVATE BRANCH EXCHANGES	6 400 301	159 003	53 531	105 472	6 241 898	6 3
235		BOOTHS AND SPECIAL FITTINGS	537 995	16 140	5 434	10 706	521 855	5
241-251		EXCH. AND TOLL POLE LINES	3 819 431	235 954	148 969	86 985	3 583 477	3 6
242-252		" " " AER. CABLE	5 128 153	157 829	54 610	103 219	4 970 324	5 0
243-253		" " " " WIRE	2 759 207	192 547	121 752	70 795	2 566 660	2 6
244-254		" " " U.G. CONDUIT	27 531 426	2 444 854	1 002 326	1 442 528	25 086 572	26 5
245-255		" " " " CABLE	31 061 127	3 613 167	1 535 731	2 077 436	27 447 960	29 5
246-256		" " " SUBM. "	-	-	-	-	-	
274	-02	MISCELLANEOUS CONST.	1 174	35	12	23	1 139	1
274	80C-90C	" "	-	-	-	-	-	
274	70-73C	" "	56 915	56 915	56 915	-	-	

ILLINOIS BELL TELEPHONE COMPANY - CHICAGO

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APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-24

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

STATION TO STATION BASIS

T OF UCTION 9)	APPORTIONMENT OF (A) DOLLARS				APPORTIONMENT OF (A) PERCENT				
	TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	TOLL			INTRA EXCH.	INTRA TOTAL
	TOTAL	INTERSTATE	INTRASTATE			TOTAL	INTER.	INTRA.		
9 533	14 717	4 974	9 743	474 816	484 559	3.006	1.016	1.990	96.994	98.984
3 443	3 443	3 209	234	-	234	100.000	93.204	6.796	-	6.796
0 257	8 263 722	1 408 038	855 684	15 996 535	16 852 219	12.397	7.711	4.686	87.603	92.289
5 942	3 217	2 000	1 217	22 725	23 942	12.40	7.71	4.69	87.60	92.29
1 855	345 309	216 176	129 133	2 386 546	2 515 679	12.640	7.913	4.727	87.360	92.087
4 508	2 647 109	1 321 842	1 325 267	28 467 399	29 792 666	8.508	4.248	4.260	91.492	95.752
8 195	399 599	154 796	244 803	4 168 596	4 413 399	8.747	3.388	5.359	91.253	96.612
8 025	1 208 025	1 153 024	55 001	-	55 001	100.000	95.447	4.553	-	4.553
0 164	121 015	72 735	48 280	799 149	847 429	13.151	7.904	5.247	86.849	92.096
0 775	-	-	-	10 775	10 775	-	-	-	100.000	100.000
9 116	369 440	141 837	227 603	11 559 676	11 787 279	3.097	1.189	1.908	96.903	98.811
3 927	202 122	78 188	123 934	6 474 805	6 598 739	3.027	1.171	1.856	96.973	98.829
3 300	1 599	538	1 061	51 701	52 762	3.000	1.009	1.991	97.000	98.991
0 301	159 003	53 531	105 472	6 241 298	6 346 770	2.484	.836	1.648	97.516	99.164
7 995	16 140	5 434	10 706	521 855	532 561	3.000	1.010	1.990	97.000	98.990
9 431	235 954	148 969	86 985	3 583 477	3 670 462	6.178	3.900	2.278	93.822	96.100
8 153	157 829	54 610	103 219	4 970 324	5 073 543	3.078	1.065	2.013	96.922	98.935
9 207	192 547	121 752	70 795	2 566 660	2 637 455	6.978	4.412	2.566	93.022	95.588
1 426	2 444 854	1 002 326	1 442 528	25 086 572	26 529 100	8.880	3.641	5.239	91.120	96.359
1 127	3 613 167	1 535 731	2 077 436	27 447 960	29 525 396	11.632	4.944	6.688	88.368	95.056
-	-	-	-	-	-	-	-	-	-	-
1 174	35	12	23	1 139	1 162	2.981	1.022	1.959	97.019	98.978
-	-	-	-	-	-	-	-	-	-	-
8 915	36 915	36 915	-	-	-	100.000	100.000	-	-	-

242-252		" " " MER. CABLE	5	165	183																		
243-253		" " " " WIRE	2	759	207		192	547			121	752			70	795	2	566	660	2	637	6	
244-254		" " " U.G. CONDUIT	27	531	426	2	444	854	1	002	326	1	442	528	25	086	572	26	529	2	
245-255		" " " " CABLE	31	061	127	3	613	167	1	535	731	2	077	436	27	447	960	29	525	2	
246-256		" " " SUBM. "			-			-			-			-			-			-			
274	-02	MISCELLANEOUS CONST.			1 174			35			12			23			1 139			1	1	
274	80C-90C	" "			-			-			-			-			-			-			
274	70-73C	" "			56 915			56 915			56 915			-			-			-			
		TOTAL STRUCTURAL PLANT	155	287	769	14	455	761	7	536	637	6	919	124	140	832	008	147	751	1	
		GENERAL EQUIPMENT	1	685	832		156	934		81	813		75	121	1	528	898	1	604	8	
		SUB TOTAL	156	973	601	14	612	695	7	618	450	6	994	245	142	360	906	149	355	1	
		INTRASTATE EXCHANGE PROPERTY																					
		USED FOR INTERSTATE SERVICE				+	131	114	+	131	114				-	131	114	-	131	1	
		GRAND TOTAL	156	973	601	14	743	809	7	749	564	6	994	245	142	229	792	149	224	0	

[illegible]	[illegible]		[illegible]			[illegible]			[illegible]			[illegible]			[illegible]			[illegible]	[illegible]
30	207		192	547		121	752		70	795	2	566	660	2	637	455	6,978	4,412	2,566	[illegible]	[illegible]
31	426	2	444	854	1	002	326	1	442	528	25	086	572	26	529	100	8,880	3,641	5,239	91,120	96,359
32	127	3	613	167	1	535	731	2	077	436	27	447	960	29	525	396	11,632	4,944	6,688	88,368	95,056
	-			-		-			-			-			-		-	-	-	-	-
1	174			35			12			23		1	139		1	162	2,981	1,022	1,959	97,019	98,978
	-			-		-			-			-			-		-	-	-	-	-
28	915		56	915		56	915			-		-			-		100,000	100,000	-	-	-
27	769	14	455	761	7	536	637	6	919	124	140	832	008	147	751	132	9,309	4,853	4,456	90,691	95,147
25	832		156	934		81	813		75	121	1	528	898	1	604	019	9,309	4,853	4,456	90,691	95,147
23	601	14	612	695	7	618	450	6	994	245	142	360	906	149	355	151	9,309	4,853	4,456	90,691	95,147
		+	131	114	+	131	114				-	131	114	-	131	114					
23	601	14	743	809	7	749	564	6	994	245	142	229	792	149	224	037	9,393	4,937	4,456	90,607	95,063

ILLINOIS BELL TELEPHONE COMPANY - CHICAG

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-25

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-A

ACCOUNT NUMBERS I.C.C.	I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS TOLL TOTAL	TOLL INTERSTATE	TOLL INTRASTATE	INTRASTATE EXCHANGE	INTRASTA TOTA
207-01		RIGHT OF WAY (EXCH)	524 622	17 155	5 876	11 279	507 467	51
207-02		" " " (TOLL)	3 624	3 596	3 596	-	28	
212		BUILDINGS	18 759 535	2 354 010	1 496 998	857 012	16 405 525	17 26
212	10-AC	IMPROV. TO RENTED BUILDINGS	26 234	3 292	2 093	1 199	22 942	2
211		LAND	3 102 057	395 603	251 447	144 156	2 706 454	2 85
221	7C	CENT. OFFICE EQUIPMENT	34 056 992	2 975 591	1 568 567	1 407 024	31 081 401	32 48
221	87C-97C	" " "	7 060 808	616 414	240 823	375 591	6 444 394	6 81
221	307-C	" " "	1 782 641	1 768 641	1 706 151	56 490	-	5
222		OTHER EQUIP OF CENT OFFS.	1 003 073	136 776	84 488	52 288	866 297	91
231		STATIONS (TELETYPEWRITER)	24 170	833	835	-	23 337	2
231		" OTHER	13 171 972	438 958	167 681	271 277	12 732 014	13 00
232		STATION INSTALLATION	6 854 154	223 426	86 356	137 070	5 630 728	6 76
233		INTERIOR BLOCK WIRES	58 561	1 915	656	1 259	56 646	5
234		PRIVATE BRANCH EXCHANGES	7 355 958	199 215	68 233	130 982	7 156 743	7 35
235		BOOTHS AND SPECIAL FITTINGS	571 362	18 684	6 399	12 285	552 678	56
241-251		EXCH. AND TOLL POLE LINES	3 660 641	209 682	127 669	82 013	3 450 959	3 53
242-252		" " " AER. CABLE	5 757 920	189 694	64 852	124 842	5 568 226	5 69
243-253		" " " WIRE	2 990 854	187 995	114 977	73 016	2 802 861	2 87
244-254		" " " U.G. CONDUIT	28 715 637	2 868 618	1 247 181	1 621 437	25 847 019	27 46
245-255		" " " CABLE	35 445 946	4 502 387	2 017 974	2 484 413	30 943 559	33 42
246-256		" " " SUBM.	-	-	-	-	-	

ILLINOIS BELL TELEPHONE COMPANY – CHICAGO

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APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-25

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

STATION TO STATION BASIS

OF STION	APPORTIONMENT OF (A) DOLLARS				APPORTIONMENT OF (A) PERCENT				
	TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	TOLL			INTRA EXCH.	INTRA TOTAL
	TOTAL	INTERSTATE	INTRASTATE			TOTAL	INTER.	INTRA.		
622	17 155	5 876	11 279	507 467	518 746	3.270	1.120	2.150	96.730	98.880
624	3 596	3 596	-	28	28	99.227	99.227	-	.773	.773
535	2 354 010	1 496 998	857 012	16 405 525	17 262 537	12.548	7.980	4.568	87.452	92.020
234	3 292	2 093	1 199	22 942	24 141	12.55	7.98	4.57	87.45	92.02
057	395 603	251 447	144 156	2 706 454	2 850 610	12.753	8.106	4.647	87.247	91.894
992	2 975 591	1 568 567	1 407 024	31 081 401	32 488 425	8.737	4.606	4.131	91.263	95.394
808	616 414	240 823	375 591	6 444 394	6 819 985	8.730	3.411	5.319	91.270	96.589
641	1 768 641	1 706 151	56 490	-	56 490	100.000	96.795	3.205	-	3.205
073	136 776	84 488	52 288	866 297	918 585	13.636	8.423	5.213	86.364	91.577
170	833	833	-	23 337	23 337	3.446	3.446	-	96.554	96.554
972	438 958	167 681	271 277	12 737 014	13 004 291	3.333	1.273	2.060	96.667	98.727
154	223 426	86 356	137 070	3 630 728	6 767 798	3.260	1.260	2.000	96.740	98.740
561	1 915	656	1 259	56 646	57 905	3.270	1.120	2.150	96.730	98.880
958	199 215	68 233	130 982	7 156 743	7 287 725	2.708	.927	1.781	97.292	99.073
362	18 684	6 399	12 285	552 678	564 963	3.270	1.120	2.150	96.730	98.880
641	209 682	127 669	82 013	3 450 959	3 532 972	5.728	3.488	2.240	94.272	96.512
920	189 694	64 852	124 842	5 568 226	5 693 068	3.294	1.126	2.168	96.706	98.874
854	187 993	114 977	73 016	2 802 861	2 875 877	6.286	3.844	2.442	93.714	96.156
637	2 868 618	1 247 181	1 621 437	25 842 019	27 468 456	9.990	4.343	5.647	90.010	95.657
946	4 502 387	2 017 974	2 484 413	30 945 559	33 427 972	12.702	5.693	7.009	87.298	94.307
-	-	-	-	-	-	-	-	-	-	-
170	38	13	25	1 138	1 157	3.348	1.111	2.157	96.752	98.889
355	37 355	37 355	-	-	-	100.000	100.000	-	-	-
489	61 489	61 489	-	-	-	100.000	100.000	-	-	-

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	[illegible]		[illegible]		73 016	2 802 861	2 875 877	6.286	3.844	2.442	93.714	96.156
8	868 618	1	247 181	1	621 457	25 847 019	27 468 456	9.990	4.343	5.647	90.010	95.657
4	502 397	2	017 974	2	484 413	30 945 559	33 427 972	12.702	5.693	7.009	87.298	94.307
	- -		-		-	-	-	-	-	-	-	-
	38		13		25	1 132	1 157	3.248	1.111	2.137	96.752	98.889
	37 355		37 355		-	-	-	100.000	100.000	-	-	-
	61 489		61 489		-	-	-	100.000	100.000	-	-	-
L7	205 365	9	361 707	7	843 658	153 801 410	161 645 068	10.061	5.474	4.587	89.939	94.526
	186 188		101 301		84 887	1 664 408	1 749 295	10.061	5.474	4.587	89.939	94.526
L7	391 553	9	463 008	7	928 545	155 465 818	163 394 363	10.061	5.474	4.587	89.939	94.526
+	140 717	+	140 717			- 140 717	- 140 717					
L7	532 270	9	603 725	7	928 545	155 325 101	163 253 646	10.143	5.556	4.587	89.857	94.444

ILLINOIS BELL TELEPHONE COMPANY – CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-26

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

ACCOUNT NUMBERS I.C.C.	I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS					AP
				TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	
				TOTAL	INTERSTATE	INTRASTATE			TO
207-01		RIGHT OF WAY (EXCH)	568 639	19 334	6 028	13 306	549 305	562 611	3.
207-02		" " " (TOLL)	5 104	3 011	2 960	51	2 093	2 144	58.
212		BUILDINGS	19 552 572	2 471 741	1 549 073	922 668	17 080 831	18 003 499	12.
212	10-AC	IMPROV. TO RENTED BUILDINGS	26 657	3 369	2 111	1 258	23 288	24 546	12.
211		LAND	3 211 191	412 528	255 473	157 055	2 798 663	2 955 718	12.
221	7C	CENT. OFFICE EQUIPMENT	33 941 177	3 089 332	1 680 076	1 409 256	30 851 845	32 261 101	9.
221	87C-97C	" " "	7 878 708	834 972	283 361	551 611	7 043 736	7 595 347	10.
221	307-C	" " "	2 113 413	2 113 413	2 090 017	23 396	-	23 396	100.
222		OTHER EQUIP. OF CENT. OFFS.	1 135 981	159 955	96 036	63 919	976 026	1 039 945	14.
231		STATIONS (TELETYPEWRITER)	43 803	9 918	5 785	4 133	33 885	38 018	22.
231		" OTHER	13 126 671	454 790	160 482	294 308	12 671 881	12 966 189	3.
232		STATION INSTALLATION	7 181 431	241 892	85 976	155 916	6 939 539	7 095 455	3.
233		INTERIOR BLOCK WIRES	72 492	2 465	769	1 696	70 027	71 723	3.
234		PRIVATE BRANCH EXCHANGES	7 959 039	224 225	69 905	154 320	7 734 814	7 889 134	2.
235		BOOTHS AND SPECIAL FITTINGS	583 917	19 853	6 190	13 663	564 064	577 727	3.
241-251		EXCH. AND TOLL POLE LINES	3 806 313	206 986	119 797	87 189	3 599 327	3 686 516	5.
242-252		" " " AER. CABLE	6 074 306	206 526	64 387	142 139	5 867 780	6 009 919	3.
243-253		" " " " WIRE	3 143 431	163 568	91 386	72 182	2 979 863	3 052 045	5.
244-254		" " " U.G. CONDUIT	29 367 588	3 323 016	1 416 468	1 906 548	26 044 572	27 951 120	11.
245-255		" " " " CABLE	37 111 211	4 857 199	2 158 705	2 698 494	32 254 012	34 952 506	13.
246-256		" " " SUBM. "	-	-	-	-	-	-	
274	-02	MISCELLANEOUS CONST.	1 173	40	12	28	1 133	1 161	3.
274	80C-90C	" " "	38 723	38 723	38 723	-	-	-	100.
274	70-73C	" " "	53 210	53 210	53 210	-	-	-	

ILLINOIS BELL TELEPHONE COMPANY - CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-26

TO

STATION TO STATION BASIS

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

ON	APPORTIONMENT OF (A) DOLLARS				APPORTIONMENT OF (A) PERCENT				
	TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	TOLL			INTRA EXCH.	INTRA TOTAL
	TOTAL	INTERSTATE	INTRASTATE			TOTAL	INTER.	INTRA.		
	19 334	6 028	13 306	549 305	562 611	3.400	1.060	2.340	96.600	98.940
	3 011	2 960	51	2 093	2 144	58.993	57.994	.999	41.007	42.006
	2 471 741	1 549 073	922 668	17 080 831	18 003 499	12.642	7.923	4.719	87.358	92.077
	3 369	2 111	1 258	23 288	24 546	12.658	7.919	4.719	87.362	92.081
	412 528	255 473	157 055	2 798 663	2 955 718	12.847	7.956	4.891	87.153	92.044
	3 089 332	1 680 076	1 409 256	30 851 845	32 261 101	9.102	4.950	4.152	90.898	95.050
	834 972	283 361	551 611	7 043 736	7 595 347	10.598	3.597	7.001	89.402	96.403
	2 113 413	2 090 017	23 396	-	23 396	100.000	98.893	1.107	-	1.107
	159 955	96 036	63 919	976 026	1 039 945	14.081	8.454	5.627	85.919	91.546
	9 918	5 785	4 133	33 885	38 018	22.642	13.207	9.435	77.358	86.793
	454 790	160 482	294 308	12 671 881	12 966 189	3.465	1.223	2.242	96.535	98.777
	241 892	85 976	155 916	6 939 539	7 095 455	3.368	1.197	2.171	96.632	98.803
	2 465	769	1 696	70 027	71 723	3.400	1.061	2.339	96.600	98.939
	224 225	69 905	154 320	7 734 814	7 889 134	2.817	.878	1.939	97.183	99.122
	19 853	6 190	13 663	564 064	577 727	3.400	1.060	2.340	96.600	98.940
	206 986	119 797	87 189	3 599 327	3 686 516	5.438	3.147	2.291	94.562	96.853
	206 526	64 387	142 139	5 867 780	6 009 919	3.400	1.060	2.340	96.600	98.940
	163 568	91 386	72 182	2 979 883	3 052 045	5.203	2.907	2.296	94.797	97.093
3	323 016	1 416 468	1 906 548	26 044 572	27 951 120	11.515	4.823	6.692	88.685	95.177
4	857 199	2 158 705	2 698 494	32 254 012	34 952 506	13.088	5.817	7.271	86.912	94.183
	-	-	-	-	-	-	-	-	-	-
	40	12	28	1 133	1 161	3.410	1.023	2.387	96.590	98.977
	38 723	38 723	-	-	-	100.000	100.000	-	-	-
	53 210	53 210	-	-	-	100.000	100.000	-	-	-

246-256		SUBM.		-			-			-			-			-			-			-	
274	-02	MISCELLANEOUS CONST.		1	173		40			12			28			1	133			1	161		3,41
274	80C-90C	" "		38	723		38	723		38	723		-			-				-			100,00
274	70-73C	" "		53	210		53	210		53	210		-			-				-			100,00
		TOTAL STRUCTURAL PLANT	176	996	750	18	910	066	10	236	930	8	673	136	158	086	684	166	759	820		10,68	
		GENERAL EQUIPMENT	2	047	146		218	717		118	407		100	310	1	828	429	1	928	739		10,68	
		SUB TOTAL	179	043	896	19	128	783	10	355	337	8	773	446	159	915	113	168	688	559		10,68	
		INTRASTATE EXCHANGE PROPERTY USED FOR INTERSTATE SERVICE				+	136	031	+	136	031				-	136	031	-	136	031			
		GRAND TOTAL	179	043	896	19	264	814	10	491	368	8	773	446	159	779	082	168	552	528		10,76	

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ILLINOIS BELL TELEPHONE COMPANY – CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-27
TO
INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

ACCOUNT NUMBERS I.C.C.	I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS TOLL TOTAL	TOLL INTERSTATE	TOLL INTRASTATE	INTRASTATE EXCHANGE	INTRASTATE TOTAL	APP TOT
207-01		RIGHT OF WAY (EXCH)	617 796	21 994	6 796	15 198	595 802	611 000	3.
207-02		" " (TOLL)	5 384	3 177	3 121	56	2 207	5 263	59.
212		BUILDINGS	19 687 688	2 816 560	1 779 140	1 037 420	16 871 122	17 908 542	14.
212	10-AC	IMPROV. TO RENTED BUILDINGS	30 186	4 320	2 729	1 591	25 866	27 457	14.
211		LAND	4 077 977	664 732	425 416	239 316	3 413 245	3 658 561	16.
221	7C	CENT. OFFICE EQUIPMENT	35 104 238	3 415 422	1 939 912	1 475 510	31 688 816	33 164 326	9.
221	87C-97C	" " "	8 127 851	846 345	294 290	552 055	7 281 506	7 833 561	10.
221	307-C	" " "	2 411 821	2 411 821	2 380 409	31 412	-	31 412	100.
222		OTHER EQUIP. OF CENT. OFFS.	1 168 368	174 548	102 417	72 131	993 820	1 065 951	14.
231		STATIONS (TELETYPEWRITER)	60 416	21 750	8 861	12 889	38 666	51 555	36.
231		" OTHER	17 501 903	620 027	210 333	409 694	16 881 876	17 291 570	3.
232		STATION INSTALLATION	7 366 425	256 971	89 575	167 396	7 109 454	7 276 850	3.
233		INTERIOR BLOCK WIRES	96 665	3 441	1 063	2 378	93 224	95 602	3.
234		PRIVATE BRANCH EXCHANGES	8 761 820	258 270	79 802	178 468	8 503 550	8 682 018	2.
235		BOOTHS AND SPECIAL FITTINGS	625 446	22 266	6 880	15 386	603 180	618 566	3.
241-251		EXCH. AND TOLL POLE LINES	4 031 777	213 727	115 289	98 438	3 818 050	3 916 488	5.
242-252		" " " AER. CABLE	6 429 892	232 759	70 767	161 992	6 197 133	6 359 125	3.
243-253		" " " " WIRE	3 386 494	162 672	80 438	82 234	3 223 822	3 306 056	4.
244-254		" " " U.G. CONDUIT	30 516 740	3 871 703	1 602 630	2 269 073	26 645 037	28 914 110	12.
245-255		" " " " CABLE	40 173 846	5 809 527	2 470 519	3 339 008	34 364 319	37 703 327	14.
246-256		" " SUBM. "	-	-	-	-	-		-
274	-02	MISCELLANEOUS CONST.	1 190	42	13	29	1 148	1 177	3.
274	80C-90C	" "	42 331	42 331	42 331	-	-	-	100.
274	70-73C	" "	74 [illegible]	[illegible]	[illegible]				

ILLINOIS BELL TELEPHONE COMPANY – CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-27

TO

NTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

STATION TO STATION BASIS

TION	APPORTIONMENT OF (A) DOLLARS					APPORTIONMENT OF (A) PERCENT				
	TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	TOLL			INTRA EXCH.	INTRA TOTAL
	TOTAL	INTERSTATE	INTRASTATE			TOTAL	INTER.	INTRA.		
796	21 994	6 796	15 198	595 802	611 000	3.560	1.100	2.460	96.440	98.900
384	3 177	3 121	56	2 207	2 263	59.008	57.968	1.040	40.992	42.038
682	2 816 560	1 779 140	1 037 420	16 871 122	17 908 542	14.306	9.037	5.269	85.694	90.963
186	4 320	2 729	1 591	25 866	27 457	14.311	9.040	5.271	85.689	90.960
977	664 732	425 416	239 316	3 415 245	3 658 561	16.301	10.432	5.869	83.699	89.568
238	3 415 422	1 939 912	1 475 510	31 688 816	33 164 326	9.729	5.526	4.203	90.271	94.474
851	846 345	294 290	552 055	7 281 506	7 833 561	10.413	3.621	6.792	89.587	96.379
821	2 411 821	2 380 409	31 412	-	31 412	100.000	98.698	1.302	-	1.302
368	174 548	102 417	72 131	993 820	1 065 951	14.939	8.766	6.173	85.061	91.234
416	21 750	8 861	12 889	38 666	51 555	36.000	14.666	21.334	64.000	85.334
903	620 027	210 333	409 694	16 881 876	17 291 570	3.543	1.202	2.341	96.457	98.798
425	256 971	89 575	167 396	7 109 454	7 276 850	3.488	1.216	2.272	96.512	98.784
665	3 441	1 063	2 378	93 824	95 802	3.560	1.100	2.460	96.440	98.900
820	258 270	79 802	178 468	8 503 550	8 682 018	2.948	.911	2.037	97.052	99.089
446	22 266	6 880	15 386	603 180	618 566	3.560	1.100	2.460	96.440	98.900
777	213 727	115 289	98 438	3 818 050	3 916 488	5.301	2.859	2.442	94.699	97.141
892	232 759	70 767	161 992	6 197 133	6 359 125	3.620	1.101	2.519	96.380	98.899
494	162 672	80 438	82 234	3 223 822	3 306 056	4.804	2.375	2.429	95.196	97.625
740	3 871 703	1 602 630	2 269 073	26 645 037	28 914 110	12.687	5.252	7.435	87.313	94.748
846	5 809 527	2 470 519	3 339 008	34 364 319	37 703 327	14.461	6.150	8.311	85.539	93.850
	-	-	-	-	-	-	-	-	-	-
190	42	13	29	1 148	1 177	3.529	1.092	2.437	96.471	98.908
331	42 331	42 331	-	-	-	100.000	100.000	-	-	-
326	74 326	74 326	-	-	-	100.000	100.000	-	-	-

274	-02	MISCELLANEOUS CONST.		1	190			42			13			29		1	148			1	177		3.529
274	80C-90C	"		42	331		42	331		42	331			-			-			-		100.000
274	70-73C	" "		74	326		74	326		74	326			-			-			-		100.000
		TOTAL STRUCTURAL PLANT	190	300	574	21	948	731	11	787	057	10	161	674	168	351	843	178	513	517		11.534
		GENERAL EQUIPMENT	2	341	675		270	089		145	043		125	046	2	071	586	2	196	632		11.534
		SUB TOTAL	192	642	249	22	218	820	11	932	100	10	286	720	170	423	489	180	710	149		11.534
		INTRASTATE EXCHANGE PROPERTY USED FOR INTERSTATE SERVICE				+	154	003	+	154	003				-	154	003	-	154	003		
		GRAND TOTAL	192	642	249	22	372	823	12	086	103	10	286	720	170	269	426	180	556	146		11.614

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ILLINOIS BELL TELEPHONE COMPANY - CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-28

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS

ACCOUNT NUMBERS I.C.C.	I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS — TOLL TOTAL	TOLL INTERSTATE	TOLL INTRASTATE	INTRASTATE EXCHANGE	INTRASTATE TOTAL	AP TO
207-01		RIGHT OF WAY (EXCH)	643 618	26 171	9 483	16 688	617 447	634 135	4
207-02		" " (TOLL)	1 322	1 322	1 322	-	-	-	100
212		BUILDINGS	20 829 833	3 793 527	2 482 513	1 311 014	17 036 306	18 347 320	18
212	10-AC	IMPROV. TO RENTED BUILDINGS	40 659	7 404	4 847	2 557	33 255	35 812	18
211		LAND	4 073 526	859 322	568 913	290 409	3 214 204	3 504 613	21
221	7C	CENT. OFFICE EQUIPMENT	32 237 852	3 298 844	1 873 723	1 425 121	28 939 008	30 364 129	10
221	87C-97C	" " "	12 813 591	1 407 290	503 888	903 402	11 406 301	12 309 703	10
221	307-C	" " "	2 806 983	2 806 983	2 735 007	71 976	-	71 976	100
222		OTHER EQUIP OF CENT. OFFS.	1 391 678	280 511	130 870	89 641	1 171 167	1 260 808	15
231		STATIONS (TELETYPEWRITER)	243 674	178 017	162 718	15 299	65 657	80 956	73
231		" OTHER	17 622 324	660 186	225 481	434 705	16 962 138	17 396 843	3
232		STATION INSTALLATION	8 735 558	352 075	127 352	224 723	8 383 483	8 608 206	4
233		INTERIOR BLOCK WIRES	124 177	4 719	1 490	3 229	119 458	122 687	3
234		PRIVATE BRANCH EXCHANGES	9 073 305	285 310	90 098	195 212	8 787 995	8 983 207	3
235		BOOTHS AND SPECIAL FITTINGS	653 874	24 847	7 846	17 001	629 027	646 028	3
241-251		EXCH. AND TOLL POLE LINES	3 959 620	211 390	109 104	102 286	3 748 230	3 850 516	5
242-252		" " AER. CABLE	6 699 671	258 639	80 523	178 116	6 441 032	6 619 148	3
243-253		" " " WIRE	3 654 393	184 084	90 292	93 792	3 470 309	3 564 101	5
244-254		" " U.G. CONDUIT	32 697 512	4 694 471	2 051 203	2 643 268	28 003 041	30 646 309	14
245-255		" " " CABLE	42 439 705	6 744 705	3 003 935	3 740 770	35 695 000	39 435 770	15
246-256		" " SUBM. "	-	-	-	-	-	-	-
274	-02	MISCELLANEOUS CONST.	1 183	45	14	31	1 138	1 169	3
274	80C-90C	" "	43 667	43 667	43 667	-	-	-	100
274	70-73C	" "	25 140	25 140	25 140				

ILLINOIS BELL TELEPHONE COMPANY - CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-28
TO
INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

STATION TO STATION BASIS

COST OF PRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS					APPORTIONMENT OF (A) PERCENT				
	TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	TOLL			INTRA. EXCH.	INTRA TOTAL
	TOTAL	INTERSTATE	INTRASTATE			TOTAL	INTER.	INTRA.		
643 618	26 171	9 483	16 688	617 447	634 135	4.066	1.473	2.593	95.934	98.527
1 322	1 322	1 322	-	-	-	100.000	100.000	-	-	-
829 833	3 793 527	2 482 513	1 311 014	17 036 306	18 347 380	18.212	11.918	6.894	81.788	88.082
40 659	7 404	4 847	2 557	33 855	35 812	18.210	11.921	6.289	81.790	88.079
073 526	859 322	568 913	290 409	3 214 204	3 504 613	21.095	13.966	7.129	78.905	86.034
237 852	3 298 844	1 873 723	1 425 121	28 939 008	30 364 129	10.233	5.812	4.421	89.767	94.188
813 591	1 407 290	503 888	903 402	11 406 301	12 309 703	10.983	3.933	7.050	89.017	96.067
806 983	2 806 983	2 735 007	71 976	-	71 976	100.000	97.436	2.564	-	2.564
391 678	220 511	130 870	89 641	1 171 167	1 260 808	15.845	9.404	6.441	84.155	90.596
243 674	178 017	162 718	15 299	65 657	80 956	73.055	66.777	6.278	26.945	33.223
622 324	660 186	225 481	434 705	16 962 138	17 396 843	3.746	1.279	2.467	96.254	98.721
735 558	352 075	127 352	224 783	8 383 483	8 608 206	4.030	1.458	2.572	95.970	98.542
124 177	4 719	1 490	3 229	119 458	122 687	3.800	1.200	2.600	96.800	98.800
073 305	285 310	90 098	195 212	8 787 995	8 983 207	3.144	.993	2.151	96.856	99.007
653 874	24 847	7 846	17 001	629 027	646 088	3.800	1.200	2.600	96.200	98.800
959 620	211 390	109 104	102 286	3 748 230	3 850 516	5.339	2.756	2.583	94.661	97.244
699 671	258 639	80 523	178 116	6 441 032	6 619 148	3.860	1.202	2.658	96.140	98.798
654 393	184 084	90 292	93 792	3 470 309	3 564 101	5.037	2.471	2.566	94.963	97.529
697 512	4 694 471	2 051 203	2 643 268	28 003 041	30 646 309	14.357	6.273	8.084	85.643	93.727
439 705	6 744 705	3 003 935	3 740 770	35 695 000	39 435 770	15.892	7.078	8.814	84.108	92.922
-	-	-	-	-	-	-	-	-	-	-
1 183	45	14	31	1 138	1 169	3.804	1.183	2.621	96.196	98.817
43 667	43 667	43 667	-	-	-	100.000	100.000	-	-	-
25 140	25 140	25 140	-	-	-	100.000	100.000	-	-	-

243-253		" " " WIRE																					
244-254		" " " U.G. CONDUIT	32	697	512	4	694	471	2	051	203	2	643	268	28	003	041	30	646	309	14.35
245-255		" " " CABLE	42	439	705	6	744	705	3	003	935	3	740	770	35	695	000	39	435	770	15.8
246-256		" " SUBM.			-			-			-			-			-			-			-
274	-02	MISCELLANEOUS CONST.		1	183			45			14			31		1	138		1	169	3.6
274	80C-90C	" "		43	667		43	667		43	667			-			-			-	100.0
274	70-73C	" "		25	140		25	140		25	140			-			-			-	100.0
		TOTAL STRUCTURAL PLANT	200	812	865	26	088	669	14	329	429	11	759	240	174	784	196	186	483	436	12.9
		GENERAL EQUIPMENT	2	624	092		340	922		187	255		153	667	2	283	170	2	436	837	12.9
		SUB TOTAL	203	436	957	26	429	591	14	516	684	11	912	907	177	007	366	188	920	273	12.9
		INTRASTATE EXCHANGE PROPERTY USED FOR INTERSTATE SERVICE				+	162	767	+	162	767				-	162	767	-	162	767	
		GRAND TOTAL	203	436	957	26	592	358	14	679	451	11	912	907	176	844	599	188	757	506	13.07

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ILLINOIS BELL TELEPHONE COMPANY – C

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-29
T.O
INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND

ACCOUNT NUMBERS I.C.C.	I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS TOLL TOTAL	TOLL INTERSTATE	TOLL INTRASTATE	INTRASTATE EXCHANGE	II
207-01		RIGHT OF WAY (EXCH)	684 489	28 534	10 237	18 297	655 955	
207-02		" " " (TOLL)	1 381	1 381	1 381	-	-	
212		BUILDINGS	22 667 949	4 808 326	3 105 290	1 703 036	17 859 623	
212	10-AC	IMPROV. TO RENTED BUILDINGS	42 617	9 039	5 838	3 201	33 578	
211		LAND	4 397 944	972 904	621 033	351 871	3 425 040	
221	7C	CENT. OFFICE EQUIPMENT	31 804 475	4 883 081	3 100 002	1 783 079	26 921 394	
221	87C-97C	" " "	16 441 826	1 768 583	621 309	1 147 274	14 673 243	
221	307-C	" " "	3 132 295	3 132 295	2 991 659	140 636	-	
222		OTHER EQUIP OF CENT OFFS.	1 618 154	322 397	209 779	112 618	1 295 757	
231		STATIONS (TELETYPEWRITER)	354 505	277 925	256 719	21 206	76 580	
231		" OTHER	15 806 742	609 799	209 948	399 851	15 196 943	1
232		STATION INSTALLATION	9 127 996	360 003	135 270	224 733	8 767 993	
233		INTERIOR BLOCK WIRES	150 931	5 916	1 871	4 045	145 015	
234		PRIVATE BRANCH EXCHANGES	9 411 038	305 460	96 625	208 835	9 105 578	
235		BOOTHS AND SPECIAL FITTINGS	814 172	31 916	10 096	21 820	782 256	
241-251		EXCH. AND TOLL POLE LINES	4 006 712	206 450	95 575	110 875	3 800 262	
242-252		" " " AER. CABLE	7 475 483	320 128	92 437	227 691	7 155 355	
243-253		" " " " WIRE	4 233 849	199 033	86 488	112 545	4 034 816	
244-254		" " " U.G. CONDUIT	34 816 690	5 228 695	2 209 166	3 019 529	29 587 995	
245-255		" " " " CABLE	50 389 710	8 281 116	3 567 312	4 713 804	42 108 594	
246-256		" " SUBM. "	-	-	-	-	-	
274	-02	MISCELLANEOUS CONST.	1 177	46	15	31	1 131	
274	80C-90C	" "	44 745	44 745	44 745			
274	70-73C							

ILLINOIS BELL TELEPHONE COMPANY - CHICAGO

2845

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-29

STATION TO STATION BASIS

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUNTS.

ION	APPORTIONMENT OF (A) DOLLARS					APPORTIONMENT OF (A) PERCENT				
	TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	TOLL			INTRA EXCH	INTRA TOTAL
	TOTAL	INTERSTATE	INTRASTATE			TOTAL	INTER	INTRA		
89	28 534	10 237	18 297	655 955	674 252	4.169	1.496	2.673	95.831	98.504
81	1 381	1 381	-	-	-	100.000	100.000	-	-	-
49	4 808 326	3 105 290	1 703 036	17 859 623	19 562 659	21.212	13.699	7.513	78.788	86.301
17	9 039	5 838	3 201	33 578	36 779	21.210	13.699	7.511	78.790	86.301
44	972 904	621 033	351 871	3 425 040	3 776 911	22.122	14.121	8.001	77.878	85.879
75	4 883 081	3 100 002	1 783 079	26 921 394	28 704 473	15.353	9.747	5.606	84.647	90.253
26	1 768 583	621 309	1 147 274	14 673 243	15 820 517	10.757	3.779	6.978	89.243	96.221
95	3 132 295	2 991 659	140 636	-	140 636	100.000	95.510	4.490	-	4.490
54	322 397	209 779	112 618	1 295 757	1 408 375	19.924	12.964	6.960	80.076	87.036
25	277 925	256 719	21 206	76 580	97 786	78.398	72.416	5.982	21.602	27.584
62	609 799	209 948	399 851	15 196 943	15 596 794	3.858	1.328	2.530	96.142	98.672
96	360 003	135 270	224 733	8 767 993	8 992 726	3.944	1.482	2.462	96.056	98.518
31	5 916	1 871	4 045	145 015	149 060	3.920	1.240	2.680	96.080	98.760
38	305 460	96 625	208 835	9 105 578	9 314 413	3.246	1.027	2.219	96.754	98.973
72	31 916	10 096	21 820	782 256	804 076	3.920	1.240	2.680	96.080	98.760
12	206 450	95 575	110 875	3 800 262	3 911 137	5.153	2.386	2.767	94.847	97.614
28	320 128	92 437	227 691	7 155 355	7 383 046	4.282	1.236	3.046	95.718	98.764
10	199 033	86 488	112 545	4 034 816	4 147 361	4.701	2.043	2.658	95.299	97.957
20	5 228 695	2 209 166	3 019 529	29 587 995	32 607 524	15.018	6.345	8.673	84.982	93.655
10	8 281 116	3 567 312	4 713 804	42 108 594	46 822 398	16.434	7.079	9.355	83.566	92.921
	-	-	-	-	-	-	-	-	-	-
77	46	15	31	1 131	1 162	3.908	1.274	2.634	96.092	98.726
15	44 745	44 745	-	-	-	100.000	100.000	-	-	-

| | | |

1 177	46	15	31	1 131	1 162	3.908	1.274	2.634	96.092	98.726
4 745	44 745	44 745	-	-	-	100.000	100.000	-	-	-
0 135	10 135	10 135	-	-	-	100.000	100.000	-	-	-
35 015	31 807 907	17 482 930	14 324 977	185 627 108	199 952 085	14.629	8.041	6.588	85.371	91.959
22 614	408 532	224 554	183 978	2 384 082	2 568 060	14.629	8.041	6.588	85.371	91.959
27 629	32 216 439	17 707 484	14 508 955	188 011 190	202 520 145	14.629	8.041	6.588	85.371	91.959
	+ 181 059	+ 181 059		- 181 059	- 181 059					
27 629	32 397 498	17 888 543	14 508 955	187 830 131	202 339 086	14.711	8.123	6.588	85.289	91.877

ILLINOIS BELL TELEPHONE COMPANY – CHICAG

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-30
TO
INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-AC

ACCOUNT NUMBERS I.C.C.	I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS TOLL TOTAL	TOLL INTERSTATE	TOLL INTRASTATE	INTRASTATE EXCHANGE	INTRASTATE TOTAL
207-01		RIGHT OF WAY (EXCH)	710 601	28 708	740	19 968	681 893	701 86
207-02		(TOLL)	1 445	755	735	20	690	71
212		BUILDINGS	22 101 555	5 582 541	3 701 583	1 880 958	16 519 014	18 399 972
212	10-AC	IMPROV. TO RENTED BUILDINGS	45 846	11 581	7 679	3 902	34 265	38 167
211		LAND	4 411 445	1 145 014	750 569	394 445	3 266 431	3 660 876
221	7C	CENT. OFFICE EQUIPMENT	37 591 457	5 810 387	3 653 840	2 156 547	31 781 070	33 937 617
221	87C-97C		18 606 860	1 956 949	669 591	1 287 358	16 649 911	17 937 269
221	307-C		3 969 155	3 969 155	3 760 888	208 267		208 267
222		OTHER EQUIP OF CENT OFFS.	1 564 699	336 309	212 810	123 399	1 228 490	1 351 889
231		STATIONS (TELETYPEWRITER)	393 816	305 315	276 195	29 120	88 501	117 621
231		OTHER	15 758 529	626 199	210 275	415 924	15 132 330	15 548 254
232		STATION INSTALLATION	8 417 050	342 775	125 558	217 217	6 074 275	8 291 492
233		INTERIOR BLOCK WIRES	170 624	6 893	2 089	4 794	163 731	168 525
234		PRIVATE BRANCH EXCHANGES	10 727 361	358 366	109 106	249 260	10 368 995	10 618 255
235		BOOTHS AND SPECIAL FITTINGS	1 121 284	45 300	13 792	31 508	1 075 984	1 107 492
241-251		EXCH. AND TOLL POLE LINES	4 085 926	216 175	96 709	119 466	3 869 751	3 989 217
242-252		AER. CABLE	7 469 405	324 650	91 580	233 070	7 144 755	7 377 825
243-253		WIRE	4 158 581	197 188	81 186	116 002	3 961 393	4 077 395
244-254		U G. CONDUIT	36 768 961	5 874 288	2 572 311	3 301 977	30 894 673	34 196 650
245-255		CABLE	48 295 228	8 397 194	3 777 075	4 620 119	39 898 034	44 518 153
246-256		SUBM.						
274	-02	MISCELLANEOUS CONST.	1 181	48	15	33	1 133	1 166
274	80C-90C		48 187	48 187	48 187			
274	70-73C		5 583	5 583	5 583			

ILLINOIS BELL TELEPHONE COMPANY – CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-30

TO

INTRASTATE AND INTERSTATE PROPERTY BY ACCOUNTS AND SUB-ACCOUN[redacted] STATION TO STATION BASIS

T OF DUCTION 1)	APPORTIONMENT OF (A) DOLLARS					APPORTIONMENT OF (A) PERCENT				
	TOLL			INTRASTATE EXCHANGE	INTRASTATE TOTAL	TOLL			INTRA EXCH.	INTRA TOTAL
	TOTAL	INTERSTATE	INTRASTATE			TOTAL	[redacted]TER	INTRA		
710 601	28 708	740	19 968	681 893	701 861	4.040	1.230	2.810	95.960	98.770
1 445	755	735	20	690	710	52.249	50.865	1.384	47.751	49.135
101 555	5 582 541	3 701 583	1 880 958	16 519 014	18 399 972	25.259	16.748	8.511	74.741	83.252
45 846	11 581	7 679	3 902	34 265	38 167	25.261	16.750	8.511	74.739	83.250
111 445	1 145 014	750 569	394 445	3 266 431	3 660 876	25.956	17.014	8.942	74.044	82.986
591 457	5 810 387	3 653 840	2 156 547	31 781 070	33 937 617	15.457	9.720	5.737	84.543	90.280
106 860	1 956 949	669 591	1 287 358	16 649 911	17 937 269	10.517	3.598	6.919	89.483	96.402
169 155	3 969 155	3 760 888	208 267		208 267	100.000	94.753	5.247	-	5.247
164 699	336 209	212 810	123 399	1 228 490	1 351 889	21.487	13.601	7.886	78.513	86.399
93 816	305 315	276 195	29 120	88 501	117 621	77.527	70.133	7.394	22.473	29.867
58 529	626 199	210 275	415 924	15 132 330	15 548 254	3.974	1.334	2.640	96.026	98.666
17 050	342 775	125 558	217 217	6 074 275	8 291 492	4.072	1.492	2.580	95.928	98.508
70 624	6 893	2 099	4 794	163 731	168 525	4.040	1.230	2.810	95.960	98.770
27 361	358 366	109 106	249 260	10 368 995	10 618 255	3.341	1.017	2.324	96.659	98.983
21 284	45 300	13 792	31 508	1 075 984	1 107 492	4.040	1.230	2.810	95.960	98.770
85 926	216 175	96 709	119 466	3 869 751	3 989 217	5.291	2.367	2.924	94.709	97.633
69 405	324 650	91 580	233 070	7 144 755	7 377 825	4.346	1.226	3.120	95.654	98.774
8 581	197 188	81 186	116 002	3 661 393	4 077 395	4.742	1.952	2.790	95.258	98.048
68 961	5 874 288	2 572 311	3 301 977	30 894 673	34 196 850	15.976	6.996	8.980	84.024	93.004
95 228	8 397 194	3 777 075	4 620 119	39 898 034	44 518 153	17.387	7.821	9.566	82.613	92.179
-	-	-	-	-	-	-	-	-	-	-
1 181	48	15	33	1 133	1 166	4.064	1.270	2.794	95.936	98.730
48 187	48 187	48 187	-	-	-	100.000	100.000	-	-	-
5 583	5 583	5 583	-	-	-	100.000	100.000	-	-	-

245-255		CABLE	48	295	228	8	327	194	3	777	075	4	620	119	39	888	034	44	515	139
246-256		SUBM "		-			-			-			-			-			-	
274	-02	MISCELLANEOUS CONST.		1	181			48			15			33		1	133		1	166
274	80C-90C	"		48	187		48	187		48	187		-			-			-	
274	70-73C	" "		5	583		5	583		5	583		-			-			-	
		TOTAL STRUCTURAL PLANT	226	424	779	35	589	460	20	176	106	15	413	354	190	835	319	206	248	673
		GENERAL EQUIPMENT	2	900	569		455	911		258	469		197	442	2	444	658	2	642	100
		SUB TOTAL	229	325	348	36	045	371	20	434	575	15	610	796	193	279	977	208	890	773
		INTRASTATE EXCHANGE PROPERTY USED FOR INTERSTATE SERVICE				+	173	300	+	173	300				-	173	300	-	173	300
		GRAND TOTAL	229	325	348	36	218	671	20	607	875	15	610	796	193	106	677	208	717	473

228	8	397	194	3	777	075	4	620	119	39	898	034	44	516	155	17.367	7.061	9.306	82.613	91.919
			-			-			-			-			-	-	-	-	-	-
181			48			15			33			1 133			1 166	4.064	1.270	2.794	95.936	98.730
187		48	187		48	187			-			-			-	100.000	100.000	-	-	-
583		5	583		5	583			-			-			-	100.000	100.000	-	-	-
779	35	589	460	20	176	106	15	413	354	190	835	319	206	248	673	15.718	8.911	6.807	84.282	91.089
569		455	911		258	469		197	442	2	444	658	2	642	100	15.718	8.911	6.807	84.282	91.089
348	36	045	371	20	434	575	15	610	796	193	279	977	208	890	773	15.718	8.911	6.807	84.282	91.089
	*	173	300	*	173	300				-	173	300	-	173	300					
348	36	218	671	20	607	875	15	610	796	193	106	677	208	717	473	15.794	8.987	6.807	84.207	91.014

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ILLINOIS BELL TELEPHONE COMPANY - CHICAG

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-31

TO
EXCHANGE, TOTAL TOLL, INTRASTATE TOLL AND INTERSTATE TOLL USE

ACCOUNT NUMBERS I.C.C.	I.B.T.	CLASS OF PLANT	COST OF REPRODUCTION (A)	APPORTIONMENT OF (A) DOLLARS TOLL TOTAL	TOLL INTERSTATE	TOLL INTRASTATE	INTRASTATE EXCHANGE	INTRASTATE TOTAL
207-01		RIGHT OF WAY (EXCH)	745 119	28 091	8 792	19 299	717 028	736
207-02		" " (TOLL)	1 477	770	751	19	707	
212		BUILDINGS	16 864 303	4 189 258	2 887 487	1 301 771	12 675 045	13 976
212	10-AC	IMPROV. TO RENTED BUILDINGS	57 798	14 357	9 895	4 462	43 441	47
211		LAND	3 963 940	1 022 494	694 482	328 012	2 941 446	3 269
221	7C	CENT. OFFICE EQUIPMENT	37 073 265	5 886 083	3 879 699	2 006 384	31 187 182	33 193
221	87C-97C	" " "	23 062 673	2 830 633	760 892	2 069 741	20 232 040	22 301
221	307-C	" " "	4 122 814	4 122 814	3 880 638	242 176	-	242
222		OTHER EQUIP. OF CENT. OFFS.	1 500 769	331 613	211 598	120 015	1 169 156	1 289
231		STATIONS (TELETYPEWRITER)	504 502	425 600	310 794	114 806	78 902	193
231		" OTHER	15 545 496	577 218	198 720	378 498	14 968 278	15 346
232		STATION INSTALLATION	8 101 642	314 510	118 132	196 378	7 787 132	7 983
233		INTERIOR BLOCK WIRES	195 903	7 386	2 312	5 074	188 517	193
234		PRIVATE BRANCH EXCHANGES	10 589 939	329 972	103 280	226 692	10 259 967	10 486
235		BOOTHS AND SPECIAL FITTINGS	1 388 875	52 361	16 389	35 972	1 336 514	1 372
241-251		EXCH. AND TOLL POLE LINES	4 056 885	211 414	107 915	103 499	3 845 471	3 948
242-252		" " " AER. CABLE	7 350 098	300 028	86 450	213 578	7 050 070	7 263
243-253		" " " " WIRE	4 080 534	183 836	78 958	104 878	3 896 698	4 001
244-254		" " U.G. CONDUIT	36 860 519	6 165 933	2 929 991	3 235 942	30 694 586	33 930
245-255		" " " " CABLE	48 794 431	8 904 442	4 324 106	4 580 336	39 889 989	44 470
246-256		" " " SUBM. "	-	-	-	-	-	-
274	-02	MISCELLANEOUS CONST.	1 179	44	14	30	1 135	1
274	80C-90C	" "	47 657	47 657	47 657	-	-	-
274	70-73C	" "	4 765	4 765	4 765	-	-	-

ILLINOIS BELL TELEPHONE COMPANY – CHICAGO

APPORTIONMENT OF REPRODUCTION COST NEW AS OF 12-31-31

EXCHANGE, TOTAL TOLL, INTRASTATE TOLL AND INTERSTATE TOLL USE TO STATION TO STATION BASIS

T OF DUCTION (A)	APPORTIONMENT OF (A) DOLLARS												APPORTIONMENT OF (A) PERCENT				
	TOLL						INTRASTATE EXCHANGE			INTRASTATE TOTAL			TOLL			INTRA EXCH.	INTRA TOTAL
	TOTAL			INTERSTATE			INTRASTATE						TOTAL	INTER.	INTRA		
745 119		28	091		8	792		19	299		717	028		736	327	3.770	1.180	2.590	96.230	98.820
1 477			770			751			19			707			726	52.133	50.846	1.287	47.867	49.154
964 303	4	189	258	2	887	487	1	301	771	12	675	045	13	976	816	24.841	17.122	7.719	75.159	82.878
57 798		14	357		9	895		4	462		43	441		47	903	24.840	17.120	7.720	75.160	82.880
963 940	1	022	494		694	482		328	012	2	941	446	3	269	458	25.795	17.520	8.275	74.205	82.480
973 265	5	886	083	3	879	699	2	006	384	31	187	182	33	193	566	15.877	10.465	5.412	84.123	89.535
962 673	2	830	633		760	892	2	069	741	20	232	040	22	301	781	12.274	3.299	8.975	87.726	96.701
122 814	4	122	814	3	880	638		242	176		-			242	176	100.000	94.126	5.874	-	5.874
600 769		331	613		211	598		120	015	1	169	156	1	289	171	22.096	14.099	7.997	77.904	85.901
504 502		425	600		310	794		114	806		78	902		193	708	84.360	61.604	22.756	15.640	38.396
945 496		577	218		198	720		378	498	14	968	278	15	346	776	3.713	1.278	2.435	96.287	98.722
101 642		314	510		118	132		196	378	7	787	132	7	983	510	3.882	1.458	2.424	96.118	98.542
195 903		7	386		2	312		5	074		188	517		193	591	3.770	1.180	2.590	96.230	98.820
889 939		329	972		103	280		226	692	10	259	967	10	486	659	3.116	.975	2.141	96.884	99.025
888 875		52	361		16	389		35	972	1	336	514	1	392	486	3.770	1.180	2.590	96.230	98.820
956 885		211	414		107	915		103	499	3	845	471	3	948	970	5.211	2.660	2.551	94.789	97.340
950 098		300	028		86	450		213	578	7	050	070	7	263	648	4.082	1.176	2.906	95.918	98.824
980 534		183	836		78	958		104	878	3	896	698	4	001	576	4.505	1.935	2.570	95.495	98.065
860 519	6	165	933	2	929	991	3	235	942	30	694	586	33	930	528	16.728	7.949	8.779	83.272	92.051
794 431	8	904	442	4	324	106	4	580	336	39	889	989	44	470	325	18.249	8.862	9.387	81.751	91.138
-		-			-			-			-			-		-	-	-	-	-
1 179			44			14			30		1	135		1	165	3.732	1.187	2.545	96.268	98.813

246-256		SUBM		-			-			-			-							
274	-02	MISCELLANEOUS CONST.		1	179			44			14									
274	80C-90C	"		47	657		47	657		47	657		-		30		1	135		1	16
274	70-73C	"		4	765		4	765		4	765		-				-			-	
													-				-			-	
		TOTAL STRUCTURAL PLANT	224	914	583	35	951	279	20	663	717	15	287	562	188	963	304	204	250	86
		GENERAL EQUIPMENT	2	837	540		453	552		260	685		192	867	2	383	988	2	576	85
		SUB TOTAL	227	752	123	36	404	831	20	924	402	15	480	429	191	347	292	206	827	72
		INTRASTATE EXCHANGE PROPERTY USED FOR INTERSTATE SERVICE		-		+	168	615	+	168	615		-		-	168	615	-	168	61
		GRAND TOTAL	227	752	123	36	573	446	21	093	017	15	480	429	191	178	677	206	659	10

	-		4	324	106	4	580	336	39	889	989	44	470	325	16.728	7.949	8.779	83.272	92.051
				-			-			-			-		18.249	8.862	9.387	81.751	91.138
															-	-	-	-	-
		44			14			30											
	47	657		47	657		-			1	135		1	165	3.732	1.187	2.545	96.268	98.813
	4	765		4	765		-			-			-		100.000	100.000	-	-	-
										-			-		100.000	100.000	-	-	-
35	951	279	20	663	717	15	287	562	188	963	304	204	250	866	15.984	9.187	6.797	84.016	90.813
	453	552		260	685		192	867	2	383	988	2	576	855	15.984	9.187	6.797	84.016	90.813
36	404	831	20	924	402	15	480	429	191	347	292	206	827	721	15.984	9.187	6.797	84.016	90.813
+	168	615	+	168	615		-		-	168	615	-	168	615	-	-	-	-	-
36	573	446	21	093	017	15	480	429	191	178	677	206	659	106	16.058	9.261	6.797	83.942	90.739

EXHIBIT A-43

1. ADJUSTMENT OF TOTAL REPRODUCTION COST ON THE BASIS OF ELIMINATING ALL OVERHEAD ON LAND

Form 3B8

	(A) TOT REPRO. COST			APPORTIONMENT OF (A) DOLLARS — TOLL TOTAL			TOLL INTER			TOLL INTRA			INTRA EXCH			INTRA TOTAL			APPORTIONMENT OF (A) PERCENT — TOLL TOTAL	TOLL INTER	TOLL INTRA	INTRA EXCH.	INTRA TOTAL
1923-TOT. STRU. PLANT (A)	147	538	112	72	648	187	6	479	577	6	169	310	134	887	925	141	057	235	8.573	4.392	4.181	91.427	95.668
TOT. OVERHEAD ON LAND (B)		166	816		56	043		33	279		20	764		412	773		433	537					
TOT (LESS LAND O.H.) (C)=A-B	147	071	296	14	592	144	6	446	598	6	147	546	134	479	152	140	626	698	8.563	4.383	4.180	91.437	95.572
GENERAL EQUIP. (D)	1	509	746		129	380		66	172		63	208	1	350	466	1	413	674					
REVISED REP. COST (E)=C+D	148	581	042	12	723	424	.6	512	770	6	210	654	135	857	618	142	068	272					
INTRA. EXCH. ADJUST. (F)				+	108	569	+	108	569				-	108	569	-	108	569					
REVISED TOT. REP. COST (G)=E+F	148	581	042	12	831	993	6	621	339	6	210	654	135	749	049	141	959	703	8.636	4.456	4.180	91.364	95.544
ORIG. REP. COST PERCENT																			8.646	4.465	4.181	91.354	95.535
1924-TOT. STRU. PLANT (A)	155	287	769	14	455	761	7	536	637	6	919	124	140	132	068	147	751	132	9.309	4.853	4.456	90.691	95.147
TOT. OVERHEAD ON LAND (B)		521	389		65	896		41	268		24	628		455	493		480	121					
TOT. (LESS LAND O.H.) (C)=A-B	154	766	380	14	389	865	7	495	369	6	894	496	140	376	575	147	271	011	9.298	4.843	4.455	90.702	95.157
GENERAL EQUIP. (D)	1	685	132		156	749		81	685		75	104	1	529	053	1	604	187					
REVISED REP. COST (E)=C+D	156	452	212	14	546	614	7	577	014	6	969	600	141	905	628	148	875	198					
INTRA. EXCH ADJUST. (F)				+	131	700	+	131	700				-	131	700	-	131	700					
REVISED TOT. REP. COST (G)=E+F	156	452	212	14	678	314	7	708	714	6	969	600	141	773	928	148	743	498	9.382	4.927	4.455	90.618	95.073
ORIG REP COST PERCENT																			9.393	4.937	4.456	90.607	95.063
1925-TOT. STRU. PLANT (A)	171	006	775	17	205	365	9	361	707	7	843	658	153	801	410	161	645	068	10.061	5.274	4.587	89.939	94.526
TOT. OVERHEAD ON LAND (B)		600	316		76	549		48	671		27	878		523	767		551	645					
TOT (LESS LAND O.H.) (C)=A-B	170	406	459	17	128	816	9	313	036	7	815	780	153	277	643	161	093	423	10.052	5.465	4.587	89.948	94.535
GENERAL EQUIP. (D)	1	850	598		186	022		101	135		84	887	1	066	574	1	749	461					
REVISED REP. COST (E)=C+D	172	257	057	17	314	838	9	414	171	7	900	667	154	942	217	162	842	884					
INTRA. EXCH. ADJUST. (F)				+	140	250	+	140	250				-	140	250	-	140	250					
REVISED TOT. REP. COST (G)=E+F	172	257	055	17	455	088	9	554	421	7	900	667	154	801	967	162	702	634	10.133	5.547	4.586	89.867	94.453
ORIG REP COST PERCENT																			10.143	5.556	4.587	89.857	94.444
1926-TOT. STRU. PLANT (A)	176	996	750	18	910	066	10	236	930	8	673	136	158	086	684	166	759	820	10.684	5.784	4.900	89.316	94.216
TOT OVERHEAD ON LAND (B)		630	125		80	950		50	118		30	832		549	175		580	007					
TOT. (LESS LAND O.H.) (C)=A-B	176	366	625	18	829	116	10	186	812	8	642	304	157	537	509	166	179	813	10.676	5.776	4.900	89.324	94.224
GENERAL EQUIP. (D)	2	047	146		218	552		118	243		100	310	1	828	593	1	928	903					
REVISED REP. COST (E)=C+D	178	413	771	19	047	669	10	305	055	8	742	614	159	366	102	168	108	716					
INTRA. EXCH. ADJUST. (F)				+	135	560	+	135	560				-	135	560	-	135	560					
REVISED TOT REP. COST (G)=E+F	178	413	771	19	183	229	10	440	615	8	742	614	159	230	542	167	973	156	10.752	5.852	4.900	89.248	94.148
ORIG. REP. COST PERCENT																			10.760	5.860	4.900	89.240	94.140
1927-TOT. STRU. PLANT (A)	190	300	574	21	948	731	11	787	057	10	161	674	168	251	843	178	513	517	11.534	6.194	5.340	88.466	93.806
TOT OVERHEAD ON LAND (B)		821	627		133	941		85	722		48	222		687	683		735	905					
TOT. (LESS LAND O.H.) (C)=A-B	189	478	947	21	814	787	11	701	335	10	113	452	167	564	160	177	777	617	11.513	6.176	5.337	88.487	93.824
GENERAL EQUIP. (D)	2	341	675		269	597		144	622		124	975	2	072	078	2	197	053					
REVISED REP. COST. (E)=C+D	191	820	622	22	084	384	11	845	957	10	238	427	169	736	238	179	974	665					
INTRA. EXCH. ADJUST (F)				+	153	387	+	153	387				-	153	387	-	153	387					
REVISED TOT REP. COST (G)=E+F	191	820	622	22	237	771	11	999	344	10	238	427	169	582	851	179	821	278	11.593	6.256	5.337	88.407	93.744
ORIG REP. COST PERCENT																			11.614	6.274	5.340	88.386	93.726
1928-TOT. STRU. PLANT (A)	200	812	865	26	081	669	14	329	429	11	759	240	174	724	196	186	483	436	12.992	7.136	5.856	87.008	92.864
TOT. OVERHEAD ON LAND (B)		832	051		175	491		116	164		59	327		656	560		715	887					
TOT (LESS LAND O.H.) (C)=A-B	199	980	814	25	913	178	14	213	265	11	699	913	174	067	636	185	767	549	12.958	7.107	5.851	87.042	92.893
GENERAL EQUIP. (D)	2	624	092		240	030		186	494		153	536	2	384	062	2	437	598					
REVISED REP. COST (E)=C+D	202	604	906	26	253	208	14	399	759	11	853	449	176	351	698	188	205	147					
INTRA. EXCH. ADJUST (F)				+	162	188	+	162	188				-	162	188	-	162	188					
REVISED TOT. REP. COST (G)=E+F	202	604	906	26	415	396	14	561	947	11	853	449	176	189	510	188	042	959	13.038	7.187	5.851	86.962	92.813
ORIG REP. COST PERCENT																			13.072	7.216	5.856	86.928	92.784
1929-TOT. STRU. PLANT (A)	217	435	015	31	807	907	17	482	930	14	324	977	185	627	168	199	952	085	14.629	8.041	6.588	85.371	91.959
TOT. OVERHEAD ON LAND (B)		904	517		199	230		137	204		72	026		701	287		773	313					
TOT. (LESS LAND O.H.) (C)=A-B	216	530	498	31	608	677	17	355	726	14	262	951	184	925	881	199	178	772	14.597	8.015	6.582	85.403	91.985
GENERAL EQUIP. (D)	2	792	614		407	638		223	828		183	810	2	384	976	2	568	786					
REVISED REP. COST (E)=C+D	219	327	112	32	016	315	17	579	554	14	446	761	187	310	857	201	747	558					
INTRA. EXCH. ADJUST (F)																							

TOT (LESS LAND O.H.)	(C)=A-B	216	534	698		31	608	677	17	585	726	14	252	951	184	925	841	199	178	777		14.	697	8.	015	6.	582	85.	403	91.	985			
GENERAL EQUIP	(D)	2	792	614			407	638		223	828		183	810	2	384	976	2	568	786														
REVISED REP COST	(E)=C+D	219	327	112		32	016	315	17	579	554	14	436	761	187	310	797	201	747	558													
INTRA. EXCH. ADJUST.	(F)					+	180	399	+	180	399					180	399	−	180	399													
REVISED TOT. REP. COST	(G)=E+F	219	327	112		32	196	714	17	759	953	14	436	761	187	130	398	201	567	159		14.	680	8.	078	6.	582	85.	320	91.	902			
ORIG. REP. COST PERCENT																						14.	711	8.	123	6.	588	85.	289	90.	877			
1930 - TOT. STRU. PLANT	(A)	226	424	779		35	589	460	20	176	106	15	413	354	190	835	319	206	248	673		15.	718	8.	911	6.	807	84.	282	91.	089			
TOT. OVERHEAD ON LAND	(B)		914	018			237	271		156	638		81	723		6-6	747		758	480														
TOT. (LESS LAND O.H.)	(C)=A-B	226	510	761		35	357	189	20	020	568	15	331	631	190	158	572	206	490	193		15.	677	8.	878	6.	799	84.	323	91.	122			
GENERAL EQUIP	(D)	2	960	569			454	782		257	513		197	209	2	445	847	2	643	056														
REVISED REP COST	(E)=C+D	228	411	330		35	806	911	20	278	081	15	528	830	192	604	419	208	133	249														
INTRA. EXCH ADJUST	(F)					+	172	705	+	172	705				−	172	705	−	172	705														
REVISED TOT. REP. COST	(G)=E+F	228	411	330		35	979	616	20	450	786	15	528	830	192	431	714	207	960	544		15.	752	8.	953	6.	799	84.	248	91.	047			
ORIG REP COST PERCENT																						15.	794	8.	987	6.	807	84.	206	91.	013			
1931 - TOT. STRU. PLANT	(A)	224	914	583		35	951	279	20	663	717	15	287	563	188	963	304	204	250	866		15.	934	9.	187	6.	707	84.	016	90.	813			
TOT OVERHEAD ON LAND	(B)		839	410			716	553		147	050		69	503		622	857		692	360														
TOT (LESS LAND O.H.)	(C)=A-B	224	075	173		35	234	726	20	516	667	15	218	059	188	340	447	203	588	506		15.	948	9.	156	6.	796	84.	052	90.	844			
GENERAL EQUIP	(D)	2	837	540			452	531		259	805		192	726	2	385	009	2	577	735														
REVISED REP COST	(E)=C+D	226	912	713		36	187	257	20	776	472	15	410	785	190	725	456	206	166	241														
INTRA EXCH. ADJUST	(F)					+	168	078	+	168	078				−	168	078	−	168	078														
REVISED TOT REP COST	(G)=E+F	226	912	713		36	355	335	20	944	550	15	410	785	190	557	378	205	968	163		16.	022	9.	230	6.	792	83.	978	90.	770			
ORIG. REP. COST PERCENT																						16.	058	9.	261	6.	797	83.	942	90.	739			

EXHIBIT A-44

ADJUSTMENT OF TOTAL DEPRECIATED REPRODUCTION COST ON THE BASIS OF ELIMINATING ALL OVERHEAD ON LAND

Form 3102

	(A) TOT REPRO. COST			APPORTIONMENT OF (A) DOLLARS — TOLL TOTAL			TOLL INTER			TOLL INTRA			INTRA EXCH.			INTRA TOTAL			APPORTIONMENT OF (A) PERCENT — TOLL TOTAL			TOLL INTER		TOLL INTRA		INTRA EXCH		INTRA TOTAL	
1923 - TOT STRU. PLANT (A)	135	226	375	11	677	889	5	928	890	5	698	999	123	548	696	129	247	695	8.	635	4.	421	4.	214	91.	365	95.	577
TOT OVERHEAD ON LAND (B)		466	816		54	042		33	279		20	764		412	723		423	527											
TOT (LESS LAND O.H.) (C)=A-B	134	759	769	11	623	846	5	945	611	5	678	235	123	135	923	128	814	158	8.	626	4.	412	4.	214	91.	374	95.	588
GENERAL EQUIP (D)	1	177	602		101	880		51	756		49	124	1	076	022	1	125	646											
REVISED REP COST (E)=C+D	135	937	371	11	725	426	5	997	567	5	727	859	124	211	945	129	937	804											
INTRA EXCH. ADJUST (F)				T	99	330	+	99	330				—	99	330	—	99	330											
REVISED TOT. REP. COST (G)=E+F	135	937	371	11	824	756	6	096	897	5	727	859	124	112	615	129	840	474	8.	699	4.	485	4.	214	91.	301	95.	515
ORIG. REP. COST. PERCENT.																			8.	708	4.	494	4.	214	91.	292	95.	506
1924 - TOT STRU PLANT (A)	147	525	378	13	265	903	6	962	385	6	403	518	129	159	475	135	562	993	9.	377	4.	885	4.	492	90.	623	95.	115
TOT OVERHEAD ON LAND (B)		521	289		65	896		41	265		24	638		455	493		480	121											
TOT (LESS LAND O.H.) (C)=A-B	142	003	989	13	300	007	6	921	117	6	378	870	128	703	982	135	082	972	9.	366	4.	874	4.	492	90.	634	95.	126
GENERAL EQUIP (D)	1	314	949		122	550		64	091		57	667	1	191	791	1	250	858											
REVISED REP COST (E)=C+D	143	318	938	13	423	165	6	985	208	6	437	957	129	895	773	136	333	739											
INTRA EXCH. ADJUST (F)				T	120	645	+	120	645				—	120	645	—	120	645											
REVISED TOT. REP COST (G)=E+F	143	318	938	13	543	810	7	105	853	6	437	957	129	775	128	136	213	085	9.	450	4.	958	4.	492	90.	550	95.	042
ORIG REP COST PERCENT																			9.	461	4.	968	4.	493	90.	539	95.	032
1925 TOT STRU. PLANT (A)	157	147	878	15	922	522	8	657	309	7	265	213	141	225	186	148	490	369	10.	132	5.	509	4.	623	89.	868	94.	491
TOT OVERHEAD ON LAND (B)		600	316		76	549		46	671		27	878		523	767		551	645											
TOT (LESS LAND O.H.) (C)=A-B	157	547	562	15	845	973	8	608	638	7	237	335	140	701	339	147	938	724	10.	122	5.	499	4.	623	89.	878	94.	501
GENERAL EQUIP (D)	1	443	465		146	107		79	376		66	731	1	227	138	1	364	089											
REVISED REP COST (E)=C+D	157	990	827	15	992	080	8	688	014	7	304	066	141	998	137	149	303	813											
INTRA EXCH ADJUST (F)				+	128	634	+	128	634				—	128	634	—	128	634											
REVISED TOT REP COST (G)=E+F	157	990	827	16	120	714	8	816	648	7	304	066	141	870	113	149	174	179	10.	204	5.	581	4.	623	89.	796	94.	419
ORIG REP COST PERCENT																			10.	213	5.	590	4.	623	89.	787	94.	410
1926 TOT STRU PLANT (A)	167	766	220	17	503	105	9	470	114	8	032	991	145	243	115	153	276	106	10.	784	5.	819	4.	935	89.	216	94.	181
TOT OVERHEAD ON LAND (B)		630	125		80	950		50	118		30	832		549	175		556	067											
TOT (LESS LAND O.H.) (C)=A-B	162	136	095	17	422	155	9	419	996	8	102	159	144	692	940	152	696	899	10.	747	5.	811	4.	936	89.	253	94.	189
GENERAL EQUIP (D)	1	596	774		171	605		92	788		78	867	1	423	169	1	503	986											
REVISED REP COST (E)=C+D	163	712	869	17	593	760	9	512	784	8	080	976	146	119	109	154	280	085											
INTRA EXCH ADJUST (F)				+	124	390	+	124	390				—	124	390	—	124	390											
REVISED TOT REP COST (G)=E+F	163	712	869	17	718	150	9	637	174	8	080	976	145	994	719	154	075	695	10.	823	5.	887	4.	936	89.	177	94.	113
ORIG REP COST PERCENT																			10.	830	5.	895	4.	935	89.	170	94.	105
1927 TOT STRU. PLANT (A)	175	068	597	20	340	443	10	918	479	9	422	014	154	728	154	164	150	168	11.	618	6.	236	5.	382	88.	382	93.	764
TOT OVERHEAD ON LAND (B)		841	627		133	944		85	722		48	222		687	683		735	905											
TOT (LESS LAND O.H.) (C)=A-B	174	246	970	20	206	499	10	832	707	9	373	792	154	040	471	163	414	263	11.	597	6.	217	5.	380	88.	403	93.	783
GENERAL EQUIP (D)	1	826	507		214	820		113	555		98	266	1	614	687	1	712	953											
REVISED REP COST (E)=C+D	176	073	477	20	418	319	10	946	261	9	472	058	155	655	158	165	127	216											
INTRA EXCH ADJUST (F)				+	140	795	+	140	795				—	140	795	—	140	795											
REVISED TOT REP COST (G)=E+F	176	073	477	20	559	114	11	087	056	9	472	058	155	514	363	164	986	421	11.	676	6.	297	5.	379	88.	324	93.	703
ORIG REP COST PERCENT																			11.	698	6.	316	5.	382	88.	302	93.	684
1928 TOT STRU PLANT (A)	184	846	469	24	195	767	13	299	530	10	905	732	160	651	207	171	556	939	13.	085	7.	159	5.	899	86.	912	92.	811
TOT OVERHEAD ON LAND (B)		832	051		175	491		116	164		59	327		456	546		715	887											
TOT (LESS LAND O.H.) (C)=A-B	184	014	418	24	019	771	13	173	366	10	846	405	159	994	647	170	841	052	13	055	7.	159	5.	894	86.	947	92.	841
GENERAL EQUIP (D)	2	046	792		267	168		146	532		120	628	1	779	624	1	900	262											
REVISED REP COST (E)=C+D	186	061	210	24	286	939	13	319	896	10	967	043	161	774	271	172	741	314											
INTRA EXCH ADJUST (F)				+	148	945	+	148	945				—	148	945	—	148	945											
REVISED TOT. REP COST (G)=E+F	186	061	210	24	435	884	13	468	841	10	967	043	161	625	326	172	592	369	13.	123	7.	239	5.	894	86.	867	92.	761
ORIG REP COST PERCENT																			13.	168	7.	269	5.	899	86.	832	92.	731
1929 - TOT STRU PLANT (A)	201	374	319	29	870	074	16	492	865	13	377	209	171	504	245	184	881	454	14.	831	8.	189	6.	642	85.	169	91.	811
TOT OVERHEAD ON LAND (B)		900	517		199	230		127	204		72	026		701	287		773	343											
TOT (LESS LAND O.H.) (C)=A-B	200	473	802	29	670	844	16	365	661	13	305	183	170	802	958	184	108	141	14.	800	8.	162	6.	637	85.	200	91.	837
GENERAL EQUIP (D)	2	178	239		322	379		177	810		144	569	1	855	860	2	066	429											
REVISED REP COST (E)=C+D	202	652	041	29	993	223	16	543	471	13	449	752	172	659	818	186	174	570											
INTRA EXCH ADJUST (F)				+	166	285	+	166	285				—	166	285	—	166	285											

TOT. (LESS LAND O.H.) (C):A-B	200	474	802		29	670	844	16	365	669	13	305	183	176	962	958	184	108	141		14.	800	8.	163	6.	637	85.	200	91.	837
GENERAL EQUIP (D)	2	178	239			322	379		177	810		144	569	1	855	860	2	000	429											
REVISED REP. COST (E):C+D	202	652	041		29	993	223	16	543	479	13	449	752	172	658	818	186	108	570											
INTRA EXCH ADJUST (F)					+	166	683	+	166	683				—	166	683	—	166	683											
REVISED TOT. REP COST (G):E+F	202	652	041		30	159	906	16	710	154	13	449	752	172	492	135	185	941	887		14.	883	8.	246	6.	637	86.	117	91.	754
ORIG. REP. COST PERCENT																					14.	913	8.	271	6.	642	85.	087	91.	729
1930 - TOT. STRU. PLANT (A)	209	763	069		33	443	996	19	049	791	14	394	705	176	319	073	190	713	778		15.	941	9.	079	6.	862	84.	057	90.	921
TOT OVERHEAD ON LAND (B)		914	015			287	271		155	535		81	733		676	747		758	480											
TOT. (LESS LAND O.H.) (C):A-B	208	849	051		33	206	725	18	893	753	14	312	972	175	642	326	189	955	298		15.	900	9.	047	6.	853	84.	960	90.	953
GENERAL EQUIP (D)	2	262	444			359	728		204	683		155	045	1	902	716	2	057	761											
REVISED REP. COST (E):C+D	211	111	495		33	566	453	19	098	436	14	468	017	177	545	042	192	013	059											
INTRA EXCH ADJUST (F)					+	159	624	+	159	624				—	159	624	—	159	624											
REVISED TOT. REP COST (G):E+F	211	111	295		33	726	077	19	258	060	14	468	017	177	385	418	191	853	435		15.	995	9.	122	6.	853	84.	025	90.	878
ORIG REP COST PERCENT																					16.	017	9.	155	6.	862	83.	983	90.	845
1931 - TOT. STRU. PLANT (A)	208	774	589		33	798	065	19	514	674	14	783	391	174	576	524	188	859	915		16.	217	9.	363	6.	854	83.	783	90.	637
TOT OVERHEAD ON LAND (B)		839	410			216	553		147	050		69	503		622	857		692	360											
TOT. (LESS LAND O.H.) (C):A-B	207	535	179		33	581	512	19	367	624	14	713	888	173	953	667	188	167	555		16.	184	9.	332	6.	849	83.	819	90.	668
GENERAL EQUIP (D)	2	213	281			556	121		206	343		151	588	1	855	150	2	006	758											
REVISED REP COST (E):C+D	209	748	460		33	939	643	19	574	967	14	865	476	175	808	817	190	174	293											
INTRA EXCH ADJUST (F)					+	155	363	+	155	363				—	155	363	—	155	363											
REVISED TOT. REP COST (G):E+F	209	748	460		34	095	006	19	729	530	14	365	476	175	653	454	190	018	930		16	255	9	406	6.	849	83.	745	90.	594
ORIG REP COST PERCENT																					16	291	9	437	6.	854	83	709	90.	563

EXHIBIT A-46

ORIGINATING ~~ANNUAL~~ CALL VOLUMES (ALL CLASSES)
IN LOCAL CENTRAL OFFICES
CITY OF CHICAGO

2850

	% A-B OF TOTAL ORIG CALLS			% L.D. OF TOTAL ORIG. CALLS			% A-B+L.D OF TOTAL ORIG CALLS			% MISC. CALLS OF TOT. ORIG. CALLS			% TOT. TOLL CALLS OF TOT. ORIG CALLS			% PURE EXCH. OF TOT. ORIG. CALLS.
	INTRA.	INTER.	TOTAL	INTRA.	INTER.	TOTAL	INTRA	INTER.	TOTAL	INTRA	INTER.	TOTAL	INTRA	INTER.	TOTAL	
	R = B÷A	S = C÷A	T = D÷A	U = E÷A	V = F÷A	W = G÷A	X = H÷A	Y = I÷A	Z = J÷A	A' = K÷A	B' = L÷A	C' = M÷A	D' = N÷A	E' = O÷A	F' = P÷A	G = Q÷A
ALL OFFICES COMBINED (MANUAL + DIAL)																
12 " 1923	1.1671	.0572	1.2243	.2654	.2214	.4868	1.4325	.2786	1.7111	.0774	.1475	.2249	1.5099	.4261	1.9360	98.0640
" " 1924	1.2607	.0614	1.3221	.2640	.2179	.4819	1.5247	.2793	1.8040	.0723	.1272	.1995	1.5970	.4065	2.0035	97.9965
" " 1925	1.3515	.0659	1.4174	.2587	.2320	.4907	1.6102	.2979	1.9081	.0747	.1207	.1954	1.6849	.4186	2.1035	97.8965
" " 1926	1.4966	.0734	1.5700	.2571	.2421	.4992	1.7537	.3155	2.0642	.0792	.1368	.2160	1.8330	.4522	2.2852	97.7148
" " 1927	1.7326	.0856	1.8182	.2088	.2560	.4648	1.9414	.3416	2.2830	.0652	.1187	.1839	2.0066	.4603	2.4669	97.5331
" " 1928	1.8820	.0931	1.9751	.1857	.2802	.4659	2.0677	.3733	2.4410	.0595	.1178	.1773	2.1272	.4911	2.6183	97.3817
" " 1929	1.9887	.1020	2.0907	.1615	.3209	.4824	2.1502	.4229	2.5731	.0583	.1440	.2023	2.2085	.5669	2.7754	97.2246
" " 1930	2.0443	.1047	2.1490	.1684	.3342	.5026	2.2127	.4389	2.6516	.0603	.1496	.2099	2.2730	.5885	2.8615	97.1385
12 MOS 1931	1.9909	.0958	2.0867	.1664	.3318	.4982	2.1573	.4276	2.5849	.0639	.1684	.2323	2.2212	.5960	2.8172	97.1828

ANNUAL VOLUME OF ORIGINATING AND INCOMING CALLS FOR
PURE EXCHANGE, A-B TOLL (INTRASTATE AND INTERSTATE), TOLL RECORDING (INTRASTATE AND INTERSTATE), TOLL SWITCH

	PURE EXCHANGE - ANNUAL CALL VOLUME			A-B TOLL (INTRASTATE)						A-B TOLL		
	ORIGINATING CALLS	INCOMING CALLS		ORIGINATING CALLS			INCOMING CALLS			ORIGINAYING CALLS		
		INC. FROM MANUAL	INC. FROM DIAL	TOTAL	DIRECT	VIA TANDEM	TOTAL	DIRECT	VIA TANDEM	TOTAL	DIRECT	VIA TANDEM	TOTAL
ALL OFFICES (COMBINED (MANUAL + DIAL)													
12 MOS 1923	1 040 830 848	979 703 270	25 739 329	1 005 442 599	8 656 919	3 730 513	12 387 432	7 457 791	4 782 034	12 239 825	228 320	379 021	607
" " 1924	1 090 391 218	995 335 278	60 163 426	1 055 498 699	9 625 247	4 402 814	14 [illegible] 061	8 494 965	5 353 232	13 848 197	250 811	432 055	682
" " 1925	1 158 488 334	1 050 479 530	72 730 316	1 123 409 846	11 621 105	4 372 497	15 993 602	10 028 467	5 740 099	15 768 566	312 477	467 847	780
" " 1926	1 249 820 598	1 109 621 722	105 203 899	1 214 825 621	14 598 667	4 543 923	19 142 590	12 391 811	6 476 088	18 867 899	400 671	537 520	938
" " 1927	1 276 673 311	1 124 105 743	119 374 061	1 243 479 804	18 205 869	4 473 111	22 678 980	15 220 726	7 111 784	22 332 510	488 561	632 604	1 121
" " 1928	1 327 683 139	1 154 056 174	141 762 570	1 295 818 744	20 826 398	4 832 193	25 658 591	17 760 111	7 494 716	25 254 827	669 644	599 512	1 269
" " 1929	1 402 477 947	1 122 536 619	249 086 814	1 371 623 433	23 649 564	5 037 341	28 686 905	20 506 014	7 615 014	28 121 028	939 742	631 491	1 571
" " 1930	1 357 799 284	1 011 187 479	318 098 020	1 329 285 499	24 059 178	4 516 396	28 575 574	20 [illegible] 043	7 137 597	27 441 640	957 349	505 932	1 463
12 MOS 1931	1 287 501 073	918 006 802	334 731 738	1 252 738 540	22 128 236	4 247 251	26 375 487	[illegible] 042 [illegible]	6 319 102	24 361 815	831 781	437 435	1 269

ANNUAL VOLUME OF ORIGINATING AND INCOMING CALLS FOR
TOLL (INTRASTATE AND INTERSTATE), TOLL RECORDING (INTRASTATE AND INTERSTATE), TOLL SWITCHING (INTRASTATE AND INTERSTATE).

2851

A-B TOLL (INTRASTATE)								A-B TOLL (INTERSTATE)								TOLL BOARD (RECORDING)			INCOMING TOLL SWITCH ATTEMPTS	
NG CALLS		INCOMING CALLS						ORIGINATING CALLS			INCOMING CALLS					OUTFILED CALLS				
NDEM	TOTAL	DIRECT		VIA TANDEM		TOTAL		DIRECT	VIA TANDEM	TOTAL	DIRECT	VIA TANDEM	TOTAL			INTRASTATE	INTERSTATE	TOTAL	TOTAL ATTEMPTS	ATTEMPTS PER OUTFILED CALL
513	12 387 432	7	457 791	4	782 034	12	239 825	228 320	379 021	607 341	125 956	531 822	657 778			2 816 428	2 349 802	5 166 230	20 546 274	3.977
814	14 028 061	8	494 965	5	353 232	13	848 197	250 811	432 055	682 866	138 364	605 849	744 213			2 937 614	2 424 444	5 362 058	21 937 917	4.091
497	15 993 602	10	028 467	5	740 099	15	768 566	312 477	467 847	780 324	199 602	665 340	864 942			3 061 346	2 745 302	5 806 648	24 696 314	4.253
923	19 142 590	12	391 811	6	476 088	18	867 899	400 671	537 520	938 191	238 834	796 114	1 034 948			3 288 651	3 096 997	6 385 648	25 229 434	3.954
111	22 678 980	15	220 726	7	111 784	22	332 510	488 561	632 604	1 121 165	356 356	893 510	1 249 866			2 732 622	3 351 048	6 083 670	23 492 940	3.861
193	25 658 591	17	760 111	7	494 716	25	254 827	669 644	599 512	1 269 156	438 992	974 425	1 413 417			2 531 775	3 820 247	6 352 022	25 395 603	3.998
341	28 686 905	20	506 014	7	615 014	28	121 028	939 742	531 491	1 471 233	616 537	988 680	1 605 217			2 329 706	4 629 673	6 959 379	27 881 755	4.006
396	28 575 574	20	304 043	7	137 597	27	441 640	957 349	505 932	1 463 281	656 283	910 153	1 566 436			2 353 054	4 671 934	7 024 988	26 734 608	3.806
47 251	26 375 487	18	042 713	6	319 102	24	361 815	831 781	437 435	1 269 216	549 801	714 118	1 263 919			2 204 939	4 394 748	6 599 687	20 509 419	3.108

Form 3102

TIME IN USE PER CALL (IN MINUTE

PURE EXCHANGE, A-B TOLL (INTRASTATE AND INTERSTATE), TOLL RECORDING (INTRASTATE AND

		PURE EXCHANGE MINUTES USE PER CALL					A-B TOLL (INTRASTATE) MINUTES USE PER CALL					A-B TOLL (INTERSTATE) MINUTES USE PER CALL					TOL
		ORIG.	INC. FROM MANUAL	INC. FROM DIAL	AV. H.T. PER ORIG. CALL		ORIGINATING		INCOMING		AV. H.T. PER ORIG. CALL	ORIGINATING		INCOMING		AV. H.T. PER ORIG. CALL	PE
							DIRECT	VIA TANDEM	DIRECT	VIA TANDEM		DIRECT	VIA TANDEM	DIRECT	VIA TANDEM		INT
ALL OFFICES (COMBINED) (MANUAL + DIAL)																	
12 MOS	23	3.010	2.810	1.850	5.700		3.154	3.299	2.779	2.785	5.946	3.157	3.310	2.792	2.779	6.265	1.
	24	3.002	2.854	1.882	5.711		3.253	3.393	2.778	2.792	6.045	3.258	3.407	2.807	2.778	6.386	1.
	25	2.990	2.821	1.878	5.665		3.480	3.604	2.807	2.831	6.290	3.507	3.616	2.816	2.816	6.693	1.
	26	2.982	2.847	1.884	5.668		3.541	3.669	2.843	2.876	6.385	3.583	3.663	2.854	2.854	6.778	1.
	27	2.969	2.840	1.871	5.644		3.535	3.684	2.911	2.963	6.447	3.590	3.651	2.857	2.956	6.888	1.
	28	2.955	2.841	1.887	5.626		3.483	3.641	2.942	3.000	6.425	3.484	3.639	2.888	2.991	6.853	1.
	29	2.939	2.905	1.872	5.597		3.473	3.652	2.938	3.003	6.402	3.446	3.697	2.847	3.024	6.762	1.
	30	2.913	2.938	1.905	5.547		3.530	3.747	2.987	3.072	6.454	3.500	3.770	2.882	3.101	6.815	1.
12 MOS	31	2.984	3.035	2.002	5.668		3.497	3.692	2.885	2.927	6.203	3.479	3.757	2.837	2.945	6.461	3.

TIME IN USE PER CALL (IN MINUTES) FOR TOLL (INTRASTATE AND INTERSTATE), TOLL RECORDING (INTRASTATE AND INTERSTATE), TOLL SWITCHING (INTRASTATE AND INTERSTATE).

TRASTATE) ER CALL:				A-B TOLL (INTERSTATE) MINUTES USE PER CALL.					TOLL BOARD (RECORDING) MINUTES USE			INCOMING TOLL SWITCH ATTEMPTS-RECORDING + TOLL SWITCH MINUTES USE					
COMING		AV. H.T PER ORIG. CALL		ORIGINATING		INCOMING		AV. H.T. PER ORIG. CALL	PER OUTFILED CALL			PER OUTFILED CALL			PER OUTFILED CALL		
CT	VIA TANDEM			DIRECT	VIA TANDEM	DIRECT	VIA TANDEM		INTRA	INTER	TOTAL	INTRA	INTER	TOTAL	INTRA	INTER	TOTAL
779	2.785	5.946		3.157	3.310	2.792	2.779	6.265	1.077	1.583	1.307	12.951	22.740	17.404	14.028	24.323	18.711
778	2.792	6.045		3.258	3.407	2.807	2.778	6.386	1.036	1.507	1.249	13.514	23.515	18.036	14.550	25.022	19.285
807	2.831	6.290		3.507	3.616	2.816	2.816	6.693	1.042	1.444	1.232	13.662	24.480	18.776	14.704	25.924	20.008
743	2.876	6.385		3.583	3.663	2.854	2.854	6.778	1.070	1.521	1.289	13.801	21.584	17.576	14.871	23.105	18.865
711	2.963	6.447		3.590	3.651	2.857	2.956	6.888	1.085	1.372	1.243	12.792	20.837	17.223	13.877	22.209	18.466
842	3.000	6.425		3.484	3.639	2.888	2.991	6.853	1.137	1.336	1.257	13.415	20.833	17.876	14.552	22.169	19.133
738	3.003	6.402		3.446	3.697	2.847	3.024	6.762	1.590	1.959	1.836	13.667	17.711	16.357	15.257	19.670	18.193
787	3.072	6.454		3.500	3.770	2.882	3.101	6.815	1.547	1.900	1.782	13.633	16.648	15.638	15.180	18.548	17.420
885	2.927	6.203		3.479	3.757	2.837	2.945	6.461	3.602	5.157	4.633	11.272	13.329	12.642	14.874	18.486	17.280

Form 3102

PERCENT TIME USE FOR INTRASTATE TOLL, INTERSTATE TOLL AND EXCHANGE OF THE TOTAL TIME USE OF SUBSCRIBERS LINES AND STATIONS SERVED FROM LOCAL CENTRAL OFFICES

2853

		TOTAL MINUTES USE	TOLL MINUTES			PURE EXCHANGE MINUTES	PERCENT USE			
			INTRASTATE	INTERSTATE	TOTAL		INTRA TOLL	INTER TOLL	TOTAL TOLL	EXCH.
ALL OFFICES COMBINED (MANUAL + DIAL)										
12 MOS	1923	6 107 051 979	113 167 830	60 958 326	174 126 156	5 932 925 823	1.85	1.00	2.85	97.15
" "	1924	6 419 503 597	127 540 348	65 025 402	192 565 750	6 226 937 847	1.99	1.01	3.00	97.00
" "	1925	6 785 301 392	145 613 448	76 393 327	222 006 775	6 563 294 617	2.15	1.12	3.27	96.73
" "	1926	7 333 448 218	171 134 429	77 917 321	249 051 750	7 084 396 468	2.34	1.06	3.40	96.60
" "	1927	7 472 000 710	184 139 029	82 147 111	266 282 140	7 205 718 570	2.46	1.10	3.56	96.44
" "	1928	7 764 369 444	201 699 072	93 389 515	295 088 587	7 469 280 857	2.60	1.20	3.80	96.20
" "	1929	8 170 398 635	219 198 629	101 014 018	320 212 647	7 850 125 888	2.68	1.24	3.92	96.08
" "	1930	7 848 387 045	220 142 223	96 629 092	316 771 315	7 531 615 730	2.81	1.23	4.04	95.96
12 MOS	1931	7 583 845 186	196 397 697	89 443 323	285 841 020	7 298 004 166	2.59	1.18	3.77	96.23

[fol. 2854] EXHIBIT A-48

Illinois Bell Telephone Company, Chicago Exchange

Method of Separating and Apportioning Revenues and Expenses Between Exchange, Intrastate Toll, and Interstate Toll under the Station to Station Separation

The Uniform System of Accounts for Telephone Companies, as prescribed by the Interstate Commerce Commission, does not require the accounts to show separately the exchange, intrastate toll and interstate toll business. For the purposes of this case the various methods listed below were developed for separating and apportioning the revenue and expense accounts:

Revenues

500. Subscribers' Station Revenues:

This account was apportioned to exchange, intrastate toll and interstate toll on the basis of percentages furnished by the Chief Engineer representing the respective time in use of subscribers' lines for exchange, intrastate toll and interstate toll, except the following minor items in this account which were allocated to exchange, intrastate toll and interstate toll as indicated below:

(a) The annual revenue credited to this account from Long Distance terminals and related extensions was apportioned to intrastate toll and interstate toll on the basis of the use of such terminals each year as furnished by the Chief Engineer.

(b) The portion of revenues for P. B. X. terminals and extensions applicable to calls from one terminal or extension to another on the same switchboard was treated as exchange. This amount was determined by applying (a) the percentage of use P. B. X. terminals and extensions for such calls, as furnished by the Chief Engineer for each year, to (b) the total annual revenues for P. B. X. terminals and extensions. Such total P. B. X. terminal and extension annual revenues were computed at the annual rate of $9.00 applied to the average number of P. B. X. terminals and extensions (excluding Public Pay and Offi-

cial) in service each year. Similarly, a portion of the revenues for P. B. X. switchboards and additional equipment for each year was treated as exchange. This was based on (a) the percentage use of P. B. X. switchboards for calls from one P. B. X. terminal or extension to another on the same P. B. X. switchboard, as furnished by the Chief Engineer for each year, applied to (b) the total revenues for P. B. X. switchboards and additional equipment, as determined from the Accounting Department records for each year.

[fol. 2855] 501. Public Pay Station Revenues:

This account was apportioned to exchange, intrastate toll and interstate toll on the basis of percentages furnished by the Chief Engineer representing the respective time in use in subscribers' lines for exchange, intrastate toll and interstate toll.

504. Private Exchange Lines:

The revenue credited to this account for stations on private lines extending outside of Chicago was treated as toll and apportioned to intrastate and interstate according to use. Such annual amounts were computed at the annual $9.00 rate applied to the average number of such stations in service in Chicago each year.

The annual revenue credited to this account for the master teletypewriter station on each circuit involving toll lines was apportioned to exchange, intrastate and interstate toll on the basis of the number of other teletypewriter stations on the same circuit located inside of Chicago and outside of Chicago—intrastate and interstate—as of the end of each year.

The annual revenue credited to this account for loops on teletypewriter circuits having all terminals outside of Chicago was apportioned to intrastate toll and interstate toll according to the use of each such circuit.

The revenue credited to this account for loops furnished on short period talking circuits involving the use of toll lines was treated as toll and apportioned to intrastate and interstate according to use.

The revenue credited to this account for special terminal loops furnished the A. T. & T. Company for use in radio service was treated as interstate toll.

The revenue from circuits furnished to the National Broadcasting Company was treated as interstate toll.

The balance of this account was treated as exchange.

505. Minor Rents of Exchange Plant:

Such revenues were treated as exchange except the 5¢ portion credited to this account in 1923 from the originating commission received on each A. T. & T. Company message and report charge. Such portion was allocated to intrastate toll and interstate toll based on a complete analysis of the number of A. T. & T. intrastate and interstate messages and report charges originating in Chicago during the month of October 1923. Effective with January 1924 business a change in accounting was made whereby such 5¢ portion of the originating commissions on A. T. & T. Co. messages was credited to Account 510. Such amounts for the Year 1924 and the first five months of 1925 were apportioned to intrastate toll and interstate toll on the basis of the number of A. T. & T. Company intrastate and interstate messages and report charges originating in Chicago during 1 month in each of the periods. Subsequent to June 1, 1925 all commissions on A. T. & T. Company messages and report charges were treated as interstate toll as all intrastate A. T. & T. Company business was taken over by the Illinois Bell on June 1, 1925.

[fol. 2856] 510. Message Tolls:

The portion of this account prior to June 1, 1925, representing billing to the American Telephone & Telegraph Company for use of plant in Chicago reserved for Long Lines purposes, was apportioned to intrastate toll and interstate toll on the basis of use, as furnished by the Chief Engineer for each class of such plant for each year. Since June 1, 1925, when all A. T. & T. intrastate business was taken over by the Illinois Bell Telephone Company, all billing has been treated as 100% interstate toll.

The originating commission on A. T. & T. tolls for the years 1923 and 1924 and the first five months of 1925 was apportioned to intrastate toll and interstate toll on the basis of the number of A. T. & T. intrastate and interstate messages and report charges originating in Chicago, as determined from a complete analysis of one month's business during each of the three periods. Since June 1, 1925, such

originating commissions have been treated as interstate toll.

The mileage prorate on A. T. & T. tolls originating and/or terminating at certain Suburban Exchanges and routed over Illinois Bell lines to the toll board in Chicago for the period prior to June 1, 1925, was apportioned to intrastate toll and interstate toll on the basis of a study of all such tolls at those points during the month of October 1923. Subsequent to June 1, 1925, all mileage prorate received on such A. T. & T. messages has been treated as interstate toll.

Similarly, the mileage prorate on A. T. & T. tolls originating or terminating in the Illinois Division and routed over Illinois Bell lines to the toll board in Chicago since this item was started in 1926 was treated as interstate toll.

Chicago's portion of tolls from Chicago to Suburban points for the years 1923, 1924 and 1925 was apportioned to intrastate toll and interstate toll on the basis of the July 1921 revenue prorate study. The interstate portion for each year was determined as follows:

(1) From the July 1921 revenue prorate study was developed the ratio of (a) Chicago's gross originating tolls to Suburban interstate points to (b) the total of Chicago's gross originating tolls to all Suburban points.

(2) Also from the July 1921 revenue prorate study was developed the ratio of (a) Chicago's portion of the mileage prorate on originating tolls to interstate Suburban points to (b) the gross tolls on such business after deducting the originating commissions.

(3) To the gross originating tolls from Chicago to all Suburban points for the years 1923, 1924 and 1925 was applied the ratio developed in (1) above to determine the interstate portion.

(4) From the interstate portions developed in (3) was deducted an originating commission of 15% and to the remainder was applied the ratio developed in (2) above to determine Chicago's portion of the mileage prorate on such messages.

[fol. 2857] (5) The total of the originating commissions and Chicago's portion of the mileage prorate, referred to in (4) above, was treated as interstate toll.

The balance on these tolls credited to Chicago Area during 1923, 1924 and 1925 was assigned to intrastate toll. For each of the years 1926 to 1930, inclusive, the procedure, as outlined above, was followed, based on ratios developed from the October 1925 Revenue Prorate Study. In this 1925 study the originating commissions were based on our Standard Connecting Company Contract.

Chicago's mileage prorate on tolls from Suburban Illinois and Suburban Indiana points to Chicago, also from tolls interchanged between Suburban Illinois and Suburban Indiana points routed through Chicago, was apportioned to intrastate toll and interstate toll on a basis comparable to that outlined above for business from Chicago to Suburban points using the ratios developed from the July 1921 Revenue Prorate Study for apportioning the amounts for 1923, 1924 and 1925, and the October 1925 study as a basis for the later years. In the case of these tolls, all originating commissions are credited to the Suburban Division.

Chicago's portion of Illinois Bell tolls interchanged between Chicago and the Illinois Division prior to October 1926 was treated as intrastate toll. Effective October 1, 1926, all A. T. & T. Company business interchanged between Illinois points but routed interstate was taken over by the Illinois Bell. Subsequent to such date Chicago's portion of Illinois Bell tolls interchanged between Chicago and the Illinois Division was apportioned to intrastate toll and interstate toll on the basis of ratios developed from the October 1925 Revenue Prorate Study after weighting in that class of A. T. & T. Company business for that month which was taken over October 1, 1926 by the Illinois Bell.

Chicago's mileage prorate on traffic in each direction interchanged between Suburban and Illinois Division points and routed through Chicago for the years 1923, 1924 and 1925, was separately apportioned to intrastate toll and interstate toll on the basis of similar traffic included in the July 1921 Revenue Prorate Study. For the later years the portion applicable to business interchanged between Suburban Indiana and Illinois Division points was determined on the basis of ratios developed from the October 1925 Revenue Prorate Study. The portion applicable to business interchanged during the first nine months of 1926 between Suburban Illinois and Illinois Division points, was treated as intrastate toll. Effective October 1, 1926 all A. T. & T.

Company business interchanged between Illinois points but routed interstate was taken over by the Illinois Bell. Subsequent to such date Chicago's mileage prorate on traffic between Suburban Illinois and Illinois Division points was apportioned to intrastate toll and interstate toll on the basis of the October 1925 Revenue Prorate Study after weighting in that class of A. T. & T. Company business for that month which was taken over by the Illinois Bell on October 1, 1926.

Chicago's portion of tolls interchanged between the Illinois Bell and Associated Companies, such as the Wisconsin Bell and Indiana Bell Telephone Companies was treated as interstate toll.

The balance of this account representing subscribers and miscellaneous adjustments for each year was apportioned to intrastate toll and interstate toll on the basis of the combined yearly distribution to intrastate toll and interstate toll of all other items in this account except amounts covering billing to the American Telephone and Telegraph Company for use and operation of plant in Chicago reserved for Long Lines purposes.

[fol. 2858] 512. Leased Toll Lines:

The portion of this account prior to June 1, 1925 representing billing to the American Telephone and Telegraph Company for use of plant in Chicago reserved for Long Lines purposes was apportioned to intrastate toll and interstate toll on the basis of use as furnished by the Chief Engineer for each class of plant for each year. Since July 1, 1925, when all A. T. & T. Company intrastate business was taken over by the Illinois Bell Telephone Company, all billing has been treated as interstate toll.

The amount billed the American Telephone and Telegraph Company for terminal loops furnished in connection with Public News Telephone and Special Contract Services during the years 1923 and 1924 and the first five months of 1925 was apportioned to intrastate toll and interstate toll on the basis of an analysis of the actual charges for the first seven months of 1923, divided between intrastate and interstate. As of June 1, 1925 all intrastate business handled by the A. T. & T. Co. was taken over by the Illinois Bell and all such billing to the A. T. & T. Co. since that date was treated as interstate toll.

The annual revenues from terminal loops furnished the A. T. & T. Company for their own official use, also amounts billed for use of circuits for certain periods on the basis of the time used and the miles of circuits involved, were treated as interstate toll, based on an analysis of the use of the individual circuits involved.

Amounts billed to subscribers and miscellaneous debtors for toll circuits used for short period talking services, radio broadcasting purposes and for leased toll lines were apportioned to intrastate toll and interstate toll on the basis of an analysis of the revenues from each source for the month of December of each year. In cases where a few items were involved, the actual amount of intrastate and interstate revenues for the year was obtained from an analysis of the records for the full year.

514. Telegraph Service on Toll Lines:

The portion of this account prior to June 1, 1925 representing billing to the American Telephone and Telegraph Company for use of plant in Chicago reserved for Long Lines purposes was apportioned to intrastate toll and interstate toll on the basis of use as furnished by the Chief Engineer for each class of plant for each year. Since June 1, 1925, when all A. T. & T. Company intrastate business was taken over by the Illinois Bell Telephone Company, all billing has been treated as interstate toll.

The amounts billed the American Telephone and Telegraph Company for terminal loops furnished in connection with Public News Service and for Special Contract Service during the years 1923 and 1924 and the first five months of 1925 were assigned to intrastate toll and interstate toll based on a complete analysis of such billing for the first seven months of 1923. As all intrastate business handled by the A. T. & T. Co. was taken over by the Illinois Bell as of June 1, 1925, all amounts billed subsequent to that date were treated as interstate toll.

The annual revenue from terminal loops furnished the A. T. & T. Co. for their official use was treated as interstate toll based on an analysis of the use of the individual circuits involved.

[fol. 2859] Chicago's portion of annual amounts billed to Chicago and Suburban Division subscribers for telegraph privileges on private lines and connecting trunks, also for

telegraph service on toll lines, was apportioned to intrastate toll and interstate toll on the basis of an analysis of such items credited in the month of December of each year. In cases where a few items were involved, the amount of intrastate toll and interstate toll revenues for the year was obtained from an analysis of the records for the full year. The amount billed to Illinois Division subscribers was assigned to intrastate toll based on an analysis of the individual items.

Amounts billed for teletypewriter circuits using toll lines were apportioned to intrastate toll and interstate toll based on the number of intrastate toll and interstate toll teletypewriter stations located on each circuit as of the end of each year.

516. Other Toll Revenues:

The entire amount in this account represents billing to the A. T. & T. Company in connection with picture transmission equipment which is used for interstate purposes.

520. Messenger Service:
521. Telegraph Commissions:
523. Advertising and Directory:

These accounts were assigned to exchange.

524. Rents from Other Operating Property:

The portion of this account representing billing to the A. T. & T. Co. for main group floor space, etc., used in connection with equipment reserved for Long Lines purposes during 1923, 1924 and the first five months of 1925 was apportioned to intrastate toll and interstate toll as follows:

(a) The amount applicable to equipment used in connection with Special Contract Services was apportioned on the basis of the Chief Engineer's separation of the reproduction cost of such equipment;

(b) The amount applicable to picture transmission equipment was assigned to interstate toll; and

(c) The balance which is applicable to principally Traffic Quarters, was apportioned on the basis of Long Lines

Traffic Labor Units on intrastate toll and interstate toll calls.

Such billing subsequent to June 1, 1925 was treated as all interstate toll.

The balance of this account was assigned to exchange.

[fol. 2860] 525 Other Miscellaneous Revenues:

The portion of this account representing billing to the American Company in connection with the operation of plant in Chicago reserved for Long Lines purposes, was apportioned to intrastate toll and interstate toll on the various bases outlined under Account 524 for related billing amounts.

All revenues from radio broadcasting equipment, also terminal loops furnished the A. T. & T. Company for radio broadcasting purposes, were treated as interstate toll.

Revenues from broadcasting lines billed to subscribers and miscellaneous debtors and credited to this account, were assigned to exchange, intrastate toll and interstate toll based on an analysis of the individual circuits in use each year.

The balance of this account was assigned to exchange.

311. Miscellaneous Rent Revenues:

The portion of this account included in the Income Statement represents part of the rent received from buildings not presently used for operations located on land acquired for telephone purposes. Such portion was determined by applying to the total rent from each building the percentage that the book cost of the land bore to the total book cost of such premises, including the buildings located thereon, and was apportioned to exchange, intrastate toll and interstate toll on the basis of the Chief Engineer's apportionment of the appraised value of such land.

The remaining portion of the account was excluded from the Income Statement as the related premises were not used for telephone operations and were not included in the appraisal.

313-01. Interest Earned:

This item represents principally interest on working cash capital items which was apportioned to exchange, in-

trastate toll and interstate toll on the basis of the amount of working cash capital allocated to each.

313-02. Interest During Construction:

This account was apportioned to exchange, intrastate toll and interstate toll on the basis of the Chief Engineer's separation of the reproduction cost of the Total Plant in Service.

316. Miscellaneous Non-Operating Revenues:

The portion of this account representing billing to the American Company in connection with the operation of plant in Chicago reserved for Long Lines purposes, was apportioned to intrastate toll and interstate toll on the various bases outlined under Account 524 for related billing amounts.

The balance of this account was assigned to exchange.

527. Licensee Revenue Debtor:

This account was apportioned to exchange, intrastate toll and interstate toll on the basis of the related accounts on which the licensee payment to the American Telephone and Telegraph Company is based.

[fol. 2861] Expenses

601. Supervision of Maintenance:

This account was apportioned on the basis of the distribution made of Accounts 602 to 607, inclusive, to exchange, intrastate toll and interstate toll.

602. Repairs of Aerial Plant:
603. Repairs of Underground Plant:

Repairs of aerial and underground plant were apportioned by individual classes of plant (for example, exchange and toll poles combined) on the basis of the Chief Engineer's distribution of the reproduction cost of the respective classes of plant to exchange, intrastate toll and interstate toll.

604. Repairs of Central Office Equipment:

Ordinary repairs charged to this account were apportioned by types (manual, dial, etc.) of equipment on the basis of the Chief Engineer's distribution of the reproduction cost of the respective central office equipment to exchange, intrastate toll and interstate toll.

Rearrangements and changes charged to this account were apportioned in the following manner: The relation of expenses for rearrangements and changes prior to March 17, 1929 to the book cost of equipment was ascertained for each year from the records for the toll switchboards and related equipment reserved for Long Lines purposes. This relation was applied to the total book cost each year of all toll switchboards and related equipment used exclusively for intrastate toll and interstate toll to obtain the proportion of the total charges for rearrangements and changes applicable to such toll equipment. For the period subsequent to March 17, 1929, the amount for rearrangements and changes of all toll switchboards and related equipment was available from the records. Such annual toll amounts were apportioned on the basis of the Chief Engineer's separation of the reproduction cost of the toll switchboards and related equipment to intrastate toll and interstate toll. The balance of the charges for rearrangements and changes was apportioned by types of equipment to exchange, intrastate and interstate toll on the basis of the Chief Engineer's separation of the reproduction cost of the respective central office equipment.

605. Repairs of Station Equipment:
606. Repairs of Buildings and Grounds:
607. Station Removals and Changes:

These accounts were apportioned by classes of plant on the basis of the Chief Engineer's separation of the reproduction cost of the respective classes of plant to exchange, intrastate toll and interstate toll.

Note.—In the apportionment of the above Maintenance Accounts 601 to 607, inclusive, the amounts applicable to plant in Chicago reserved for Long Lines purposes and the balance of the charges in such accounts were separately apportioned each on the basis of the Chief Engineer's distri-

bution of the reproduction cost of the plant and equipment in each such group.

[fol. 2862] 608. Depreciation of Plant and Equipment:

The amount of annual depreciation accrued on the books for each class of plant was apportioned on the basis of the Chief Engineer's distribution of the respective classes of plant to exchange, intrastate toll and interstate toll.

610. Other Maintenance Expenses:

The portion of this account representing improvements to rented quarters was apportioned on the basis of the percentage use of rented space for exchange, intrastate toll and interstate toll as furnished by the Chief Engineer.

The portion applicable to radio broadcasting and picture transmission equipment was assigned to interstate toll.

In 1923 a small portion was applicable to public address equipment which was assigned to exchange.

In 1929 a portion of the account represented expenditures in connection with repairs to the City of Chicago sewer system as a result of additions made to the Wabash Central Office building. This amount was apportioned on the basis of the Chief Engineer's distribution of the reproduction cost of the Wabash Central Office building to exchange, intrastate and interstate toll.

The balance of this account represents principally plant men employed as inspectors on various jobs where men of the Peoples Gas, Light and Coke Company and other utilities are working in Illinois Bell manholes, which balance was apportioned to exchange, intrastate toll and interstate toll on the basis of the Chief Engineer's distribution of the reproduction cost of underground cable. The purpose of these men on such jobs is to see that no damage is done to our underground plant.

624. Operators' Wages:

Telephone Operators' Wages were apportioned by the Chief Engineer on the basis of the number of traffic labor units assigned to exchange, intrastate toll and interstate toll. During the later years a small amount of Telegraph Operators' Wages was incurred and billed to the A. T. & T. Co. Such amounts were assigned to interstate toll as they

relate to A. T. & T. Co. business which is interstate. The amount billed was credited to the Toll Revenue Accounts and similarly treated as interstate toll.

628. Transmission Power:

This account was also apportioned by the Chief Engineer based on the amount of current drain used for exchange, intrastate toll and interstate toll.

630. Messenger Service:

This account was assigned to exchange.

[fol. 2863] 621. Traffic Superintendence:
622. Service Inspection:
623. Operating Clerical Wages:
626. Rest and Lunch Rooms:
627. Operators' Schooling:
629. Central Office Stationery and Printing:
631. Miscellaneous Central Office Expenses:
632. Pay Station Expenses:
633. Other Traffic Expenses:

These accounts were apportioned to exchange, intrastate toll and interstate toll on the basis of the Chief Engineer's apportionment of telephone operators' wages.

635. Special Contract Service—Operating Expenses:
636. Telephotography—Operating Expenses:

These accounts were assigned to interstate toll.

640-10. General Commercial Administration:

This account was apportioned to exchange, intrastate toll and interstate toll on the basis of the total of the other Commercial Expense Accounts 640-30 to 650, except Accounts 646 and 648.

640-30. Local Commercial Administration:
642. Advertising:
643. Canvassing:
650. Other Commercial Expenses:

These accounts were apportioned to exchange, intrastate toll and interstate toll on the basis of the Operating Revenue Accounts 500 to 525, inclusive, including billing to

the A. T. and T. Company for the operation of plant in Chicago reserved for Long Lines purposes.

Account 646, Revenue Accounting:

The annual expense in this account was first divided by groups of employees. The portion of such amounts applicable to toll messages was based on percentages developed from a study of the Revenue Accounting work performed in November 1925 applied to the number of items billed each year. Such amounts applicable to Toll messages were separated between intrastate toll and interstate toll on the basis of the number of intrastate toll and interstate toll messages involved each year. The balance of this account was apportioned to exchange, intrastate toll and interstate toll on the basis of the Exchange Service Revenue Accounts 500 to 505 and the Miscellaneous Operating Revenue Accounts 520 to 525, excluding the amounts related to toll messages as billed the A. T. and T. Company in connection with the operation of plant in Chicago reserved for Long Lines purposes and credited to Accounts 524 and 525.

[fol. 2864] 647. Revenue Collecting:

This account was apportioned each year on the basis of the monthly average number of coin box collections and bills rendered to telephone subscribers other than coin box subscribers each of which was considered one collection item. The portion of each such collection item applicable to toll messages and telegrams was computed as follows:

1. Bills involving toll and telegram charges and additional message charges in addition to the regular monthly charge for exchange service	⅓
2. Bills involving toll and telegram charges and the monthly charge for exchange service, but no charge for additional messages	½
3. Bills involving exchange service items only	Nothing
4. Coin box collections involving toll and telegram charges as well as exchange service charges	⅓
5. Coin box collections not involving toll and telegram charges	Nothing

The above ratios were applied to the monthly average number of collection items involved each year which resulted in the number of collection items for each year applicable to

toll messages and telegrams. To this result was applied the percentage relationship of the total toll tickets to the total toll and telegram tickets each year. This furnished the portion applicable to only toll messages, which was separated between intrastate toll and interstate toll, based on percentages developed from the number of intrastate and interstate originating toll messages for each year. The balance of the collection items was apportioned to exchange, intrastate toll and interstate toll on the basis of the Exchange Service Revenue Accounts 500 to 505 and the Miscellaneous Operating Revenue Accounts 520 to 525 excluding the amounts related to toll messages as billed the A. T. & T. Company in connection with the operation of plant in Chicago reserved for Long Lines purposes and credited to Accounts 524 and 525.

648. Pay Station Commissions:

Prior to 1929 a separation was kept on the records of commissions paid on local messages and the amount paid on toll messages. The toll portion for the last six months of 1928 included commissions paid on telegrams telephoned which were charged to Account 521 prior to July 1, 1928. Such commissions paid on telegrams were eliminated from the toll portion shown on the records by finding the percentage which the total tolls from pay stations, etc., bore to the total tolls and telegrams from such stations during the months of November and December 1928, and applying this percentage to the total commissions paid on toll messages and telegrams from pay stations from July 1, 1928 to December 31, 1928. This was added to the amount of commissions paid on toll messages not originating at pay stations for the last six months of 1928 and the total actual commissions paid on all toll messages during the first six months of 1928, in order to find the total commissions paid on toll messages for the year as a whole.

[fol. 2865] For the years 1929 and 1930 commissions paid on toll messages from public pay stations was determined by applying percentages based on the year 1928 to the amount of tolls from such stations during 1929 and 1930, to which was added the actual commissions paid on toll messages originating at other stations.

Such amounts of commissions paid on toll messages were apportioned to intrastate toll and interstate toll on the basis

of studies of the amount of commissions paid on pay station toll tickets for June 16 to 19, 1922 and February 18, 1931. The results of the 1922 study were used for the years 1923 to 1926 and the 1931 study for the subsequent years.

The balance of the commissions was apportioned on the basis of the distribution made of the related revenues in Account 501 to exchange, intrastate toll and interstate toll.

649. Directory Expenses:

The cost of the Chicago Alphabetical Directory relates to exchange except a few pages devoted to toll rates, information, etc. The toll portion of this cost was based on the relation of the number of such toll pages to the total number of pages in the directories issued each year and was separated between intrastate and interstate toll on the basis of the annual number of calls of each class originating in Chicago.

The cost of the daily addendum to the Chicago Alphabetical Directory, which addendum is used for information work, was apportioned to exchange and toll based on a study made in May 1930 by the Traffic Department of the information work performed. The toll portion was separated between intrastate toll and interstate toll on the basis of the relative number of intrastate and interstate originating toll board calls each year.

The cost of the Chicago Suburban Directory and the related semi-weekly addendum was apportioned to intrastate toll and interstate toll on the basis of the number of stations in service in the territory of the Suburban Division as of the end of each year.

The cost of directories purchased from other telephone companies for information work on A. T. & T. calls was treated as interstate toll.

The balance of this account represents principally the cost of directories of other telephone companies sold to subscribers, etc., mainly for use as mailing lists. Such balance was treated as exchange similar to the revenues received and credited to Account 523 from the sale of such directories.

660. General Office Salaries:
663. General Office Supplies and Expenses:
667. General Law Expenses:

669. Accidents and Damages:
670. Law Expenses Connected with Damages:
672. Relief Department and Pensions:
675. Other General Expenses:
690. General Expenses Charged to Construction—Cr.:

These accounts were apportioned to exchange, intrastate toll and interstate toll on the basis of the total of the Total Current Maintenance, Traffic and Commercial Expense Accounts.

[fol. 2866] 668. Insurance:

This account was apportioned on the basis of the Chief Engineer's distribution of the reproduction cost of insurable property that is, buildings, central office equipment and general equipment, to exchange, intrastate toll and interstate toll.

673. Telephone Franchise Requirements:
676. Telephone Franchise Requirements—Cr.:

The net of these two accounts represents expense in connection with the Telephone Bureau. This amount was apportioned to exchange, intrastate toll and interstate toll on the basis of the Operating Revenue Accounts 500 to 525 including billing to the A. T. & T. Company for the operation of plant in Chicago reserved for Long Lines purposes.

304. Uncollectible Operating Revenues:

This account represents accruals for uncollectible revenues and was apportioned to exchange, intrastate toll and interstate toll on the basis of the actual uncollectibles charged to Account 118-17 Reserve for Uncollectible Accounts. Prior to June 1, 1925, the portion of the actual uncollectibles applicable to A. T. & T. toll messages was apportioned to intrastate toll and interstate toll on the basis of percentages developed from a study of the intrastate and interstate A. T. & T. messages for the month of May, 1925. Since June 1, 1925, when the intrastate business of the A. T. & T. Co. was taken over by the Illinois Bell, the portion of the actual uncollectibles applicable to A. T. & T. toll messages was treated as interstate toll. The portion of the actual uncollectible tolls applicable to other than A. T. & T.

Co. messages was apportioned to intrastate and interstate toll on the basis of the annual intrastate and interstate originating tolls excluding A. T. & T. tolls. In determining the intrastate and interstate separation of such originating tolls, the originating tolls to Associated Companies were treated as interstate. On originating tolls to the Suburban and Illinois Divisions for the years 1923, 1924 and 1925, the separation was made on the basis of ratios developed from the July, 1921 Revenue Prorate Study. For the later years the October, 1925 Revenue Prorate Study was used as a base. The balance of the actual uncollectibles were apportioned to exchange, intrastate toll and interstate toll on the basis of the Exchange Revenue Accounts 500 to 505 and the Miscellaneous Operating Revenue Accounts 520 to 525 excluding the amounts related to toll messages as billed the A. T. & T. Co. in connection with the operation of Plant in Chicago reserved for Long Lines purposes and credited to Accounts 524 and 525.

305. Taxes Assignable to Operations:

Real Estate Taxes, Personal Property Taxes and other taxes assessed within the state on operating property were apportioned to exchange, intrastate toll and interstate toll on the basis of the Chief Engineer's distribution of the reproduction cost of the various plant items indicated below:

Real Estate Taxes—on the basis of Total Land and Buildings.

Personal Property Taxes—on the basis of Total Plant in Service excluding Land and Buildings.

Other Taxes—on the basis of Total Plant in Service.

[fol. 2867] The 3% franchise payments to the City of Chicago were apportioned to exchange, intrastate toll and interstate toll on the basis of the Operating Revenue Accounts 500 to 525, including billing to the A. T. & T Company for the operation of plant in Chicago reserved for Long Lines purposes.

The federal income and other federal taxes applicable to operating property, were apportioned to exchange, intrastate toll and interstate toll on the basis of the net income before deducting federal income tax, less interest expense which was apportioned to exchange, intrastate toll

and interstate toll on the basis of the Chief Engineer's distribution of Total Plant in Service.

323. Uncollectible Non-operating Revenues:

This account was assigned to exchange.

331. Rent Deductions for Telephone Offices:

This account was apportioned, by buildings, on the basis of the percentage use of rented space for exchange, intrastate toll and interstate toll as furnished by the Chief Engineer.

332. Rent Deductions for Conduits, Poles and Other Supports:

This account covers principally rental of duct space and was apportioned on the basis of the Chief Engineer's distribution of the reproduction cost of company-owned Underground Conduit to exchange, intrastate toll and interstate toll.

334. Miscellaneous Rent Deductions:

This account was assigned to exchange.

340. Amortization of Landed Capital:

The portion representing amortization of right of way was apportioned on the basis of the Chief Engineer's distribution of the reproduction cost of right of way to exchange, intrastate toll and interstate toll. The amount covering amortization of leaseholds and special assessments was apportioned by parcels of property to exchange, intrastate toll and interstate toll on the basis of the percentage use of the buildings to which the items relate as furnished by the Chief Engineer.

341. Miscellaneous Deductions from Income:

This account was apportioned on the basis of the Chief Engineer's distribution of the reproduction cost of the Total Plant in Service to exchange, intrastate toll and interstate toll.

[fol. 2868] "Interstate Foreign Exchange Service:"

The revenues and expenses in connection with the furnishing of Chicago exchange service to subscribers located outside of the State of Illinois has for convenience been treated as intrastate exchange during the application of the various methods of separation and apportionment previously outlined. After such separation and apportionment was completed for all the revenue and expense accounts, the amount of Subscribers' Station Revenues for each year applicable to foreign exchange interstate lines and interstate trunks included in the revenues apportioned to intrastate exchange for each year was transferred to interstate toll. A similar transfer was made of the related licensee payment to the American Telephone and Telegraph Company. Correspondingly, an appropriate part of the total expenses allocated or apportioned to intrastate exchange was also transferred to interstate toll based on the percentage relation of (a) the reproduction cost of the plant used for interstate foreign exchange service as transferred by the Chief Engineer to interstate toll to (b) the total reproduction cost of the property allocated or apportioned by the Chief Engineer to intrastate exchange before such transfer. These transfers include minor amounts covering the revenues and expenses in connection with tie lines connecting with P. B. X. switchboards located outside of the State of Illinois, terminals and extensions located outside the State of Illinois but connected with Chicago P. B. X. switchboards and foreign exchange trunks from interstate points connected with Chicago P. B. X. switchboards.

[fol. 2869]

EXHIBIT A-49

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses, and Net Income for the Year 1923

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$35,187,550	$673,513	$35,861,063	$481,163	$36,342,226
Toll Revenues	.....	1,828,914	1,828,914	1,214,080	3,042,994
Miscellaneous Operating Revenues	562,934	8,515	571,449	101,600	673,049
Non-Operating Revenues	212,401	16,685	229,086	97,035	326,121
Gross Revenues	$35,962,885	$2,527,627	$38,490,512	$1,893,878	$40,384,390
Less Licensee Revenue—Dr.	1,558,559	103,455	1,662,014	62,237	1,724,251
Total Revenues	34,404,326	2,424,172	36,828,498	1,831,641	38,660,139
Traffic Expenses	12,298,447	665,329	12,963,776	228,897	13,192,673
Commercial Expenses	3,573,425	450,733	4,024,158	178,115	4,202,273
General and Miscellaneous Expenses	973,064	59,101	1,032,165	31,029	1,063,194
Current Maintenance	5,468,607	175,016	5,643,623	258,110	5,901,733
Depreciation	4,011,667	197,473	4,209,140	271,814	4,480,954
Taxes	3,131,391	229,620	3,361,011	241,053	*3,602,064
Other Expenses and Deductions	211,414	40,881	252,295	36,868	289,163
Total Expenses	29,668,015	1,818,153	31,486,168	1,245,886	32,732,054
Balance	4,736,311	606,019	5,342,330	585,755	5,928,085
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	259,941	.....	259,941	.....	259,941
Balance Available for Return under present rates	$4,996,252	$606,019	$5,602,271	$585,755	$6,188,026
Less reduction under rates in suit	1,512,859	28,809	1,541,668	15,572	1,557,240
Balance available for Return under rates in suit	$3,483,393	$577,210	$4,060,603	$570,183	$4,630,786

* Represents actual taxes paid for the Year 1923 applicable to above operations and is $68,283 less than the total amount accrued on the books for all taxes during that year.

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EXHIBIT A-49—Continued

[fol. 2870] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1924

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$37,497,773	$758,471	$38,256,244	$417,514	$38,673,758
Toll Revenues	.....	2,100,548	2,100,548	1,440,308	3,540,856
Miscellaneous Operating Revenues	614,956	8,656	623,612	120,760	744,372
Non-Operating Revenues	116,846	12,134	128,980	90,959	219,939
Gross Revenues	38,229,575	2,879,809	41,109,384	2,069,541	43,178,925
Less Licensee Revenue—Dr	1,668,213	118,882	1,787,095	73,343	1,860,438
Total Revenues	36,561,362	2,760,927	39,322,289	1,996,198	41,318,487
Traffic Expenses	12,422,269	684,761	13,107,030	224,394	13,331,424
Commercial Expenses	3,959,092	539,929	4,499,021	194,300	4,693,321
General and Miscellaneous Expenses	1,003,687	64,338	1,068,025	33,387	1,101,412
Current Maintenance	5,844,038	199,699	6,043,737	282,594	6,326,331
Depreciation	4,258,675	197,664	4,456,339	253,611	4,709,950
Taxes	3,482,711	276,197	3,758,908	281,141	*4,040,049
Other Expenses and Deductions	270,975	62,091	333,066	49,691	382,757
Total Expenses	31,241,447	2,024,679	33,266,126	1,319,118	34,585,244
Balance	5,319,915	736,248	6,056,163	677,080	6,733,243
Net Compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	277,665	.....	277,665	.....	-277,665
Balance Available for Return under present rates	$5,597,580	$736,248	$6,333,828	$677,080	$7,010,908
Less reduction under rates in suit	1,519,815	31,180	1,550,995	15,825	1,566,820
Balance available for Return under rates in suit	$4,077,765	$705,068	$4,782,833	$661,255	$5,444,088

* Represents actual taxes paid for the year 1924 applicable to above operations and is $13,294 less than the total amount accrued on the books for all taxes during that year.

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1925

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$39,856,670	$871,790	$40,728,460	$487,830	$41,216,290
Toll Revenues	.....	2,477,668	2,477,668	1,706,797	4,184,465
Miscellaneous Operating Revenues	646,130	11,184	657,314	129,332	786,646
Non-Operating Revenues	215,035	13,547	228,582	99,850	328,432
Gross Revenues	40,717,835	3,374,189	44,092,024	2,423,809	46,515,833
Less Licensee Revenue—Dr.	1,762,140	138,929	1,901,069	86,466	1,987,535
Total Revenues	38,955,695	3,235,260	42,190,955	2,337,343	44,528,298
Traffic Expenses	12,861,116	755,270	13,616,386	240,925	13,857,311
Commercial Expenses	4,078,936	582,018	4,660,954	206,553	4,867,507
General and Miscellaneous Expenses	990,402	66,056	1,056,458	34,595	1,091,053
Current Maintenance	6,347,832	215,361	6,563,193	313,395	6,876,588
Depreciation	4,796,032	237,491	5,033,523	352,189	5,385,712
Taxes	4,024,298	350,846	4,375,144	350,380	*4,725,524
Other Expenses and Deductions	352,456	85,053	437,509	57,140	494,649
Total Expenses	33,451,072	2,292,095	35,743,167	1,555,177	37,298,344
Balance	5,504,623	943,165	6,447,788	782,166	7,229,954
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	313,261	.....	313,261	.....	313,261
Balance Available for Return under present rates	$5,817,884	$943,165	$6,761,049	$782,166	$7,543,215
Less reduction under rates in suit	1,548,150	34,411	1,582,561	17,925	1,600,486
Balance Available for Return under rates in suit	$4,269,734	$908,754	$5,178,488	$764,241	$5,942,729

* Represents actual taxes paid for the Year 1925 applicable to above operations and is $115,053 more than the total amount accrued on the books for all taxes during that year.

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EXHIBIT A-49—Continued

[fol. 2872]

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1926

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$42,790,484	$1,019,348	$43,809,832	$495,797	$44,305,629
Toll Revenues	.....	2,976,666	2,976,666	2,084,196	5,060,862
Miscellaneous Operating Revenues	629,901	14,712	644,613	133,517	778,130
Non-Operating Revenues	127,363	6,660	134,023	120,362	254,385
Gross Revenues	43,547,748	4,017,386	47,565,134	2,833,872	50,399,006
Less Licensee Revenue—Dr.	1,695,347	150,224	1,845,571	90,307	1,935,878
Total Revenues	41,852,401	3,867,162	45,719,563	2,743,565	48,463,128
Traffic Expenses	13,265,949	906,240	14,172,189	256,610	14,428,799
Commercial Expenses	4,223,179	638,020	4,861,199	223,949	5,085,148
General and Miscellaneous Expenses	1,075,279	78,303	1,153,582	39,383	1,192,965
Current Maintenance	7,440,549	273,815	7,714,364	370,343	8,084,707
Depreciation	5,476,586	275,391	5,751,927	451,096	6,203,023
Taxes	4,469,404	437,841	4,907,245	422,806	*5,330,051
Other Expenses and Deductions	254,403	64,009	318,412	55,256	373,668
Total Expenses	36,205,299	2,673,619	38,878,918	1,819,443	40,698,361
Balance	5,647,102	1,193,543	6,840,645	924,122	7,764,767
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	174,858	.....	174,858	.....	174,858
Balance Available for Return under present rates	$5,821,960	$1,193,543	$7,015,503	$924,122	$7,939,625
Less reduction under rates in suit	1,611,533	39,037	1,650,570	17,684	1,668,254
Balance Available for Return under rates in suit	$4,210,427	$1,154,506	$5,364,933	$906,438	$6,271,371

* Represents actual taxes paid for the Year 1926 applicable to above operations and is $16,346 less than the total amount accrued on the books for all taxes during that year.

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the [redacted]

	Intrastate				Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$45,693,545.	$1,144,705	$46,838,250		$47,391,951
Toll Revenues	.....	3,395,072	3,395,07		5,828,975
Miscellaneous Operating Revenues	593,422	.....	593,42		717,626
Non-Operating Revenues	142,225	7,780	150,005	142,023	292,028
Gross Revenues	46,429,192	4,547,557	50,976,749	3,253,831	54,230,580
Less Licensee Revenue—Dr	1,812,145	168,735	1,980,880	104,840	2,085,720
Total Revenues	44,617,047	4,378,822	48,995,869	3,148,991	52,144,860
Traffic Expenses	12,804,628	963,018	13,767,646	276,808	14,044,454
Commercial Expenses	4,724,389	719,809	5,444,198	257,772	5,701,970
General and Miscellaneous Expenses	1,619,332	124,824	1,744,156	62,174	1,806,330
Current Maintenance	8,521,672	327,878	8,849,550	410,304	9,259,854
Depreciation	5,997,744	320,589	6,318,333	521,059	6,839,392
Taxes	4,790,899	491,307	5,282,206	485,950	*5,768,156
Other Expenses and Deductions	360,515	95,867	456,382	74,995	531,377
Total Expenses	38,819,179	3,043,292	41,862,471	2,089,062	43,951,533
Balance	5,797,868	1,335,530	7,133,398	1,059,929	8,193,327
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	144,041	.....	144,041	.....	144,041
Balance Available for Return under present rates	$5,941,909	$1,335,530	$7,277,439	$1,059,929	$8,337,368
Less reduction under rates in suit	1,635,362	41,715	1,677,077	18,653	1,695,730
Balance Available for Return under rates in suit	$4,306,547	$1,293,815	$5,600,362	$1,041,276	$6,641,638

* Represents actual taxes paid for the Year 1927 applicable to the above operations and is $299,542 less than the total amount accrued on the books for all taxes during that year.

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EXHIBIT A-49—Continued

[fol. 2874]

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1928

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$48,323,639	$1,282,540	$49,606,179	$638,344	$50,244,523
Toll Revenues	.....	3,800,457	3,800,457	3,354,217	7,154,674
Miscellaneous Operating Revenues	723,312	.....	723,312	178,209	901,521
Non-Operating Revenues	350,931	23,007	373,938	146,307	520,245
Gross Revenues	49,397,882	5,106,004	54,503,886	4,317,077	58,820,963
Less Licensee Revenue—Dr.	944,026	92,590	1,036,616	68,277	1,104,893
Total Revenues	$48,453,856	$5,013,414	$53,467,270	$4,248,800	$57,716,070
Traffic Expenses	$13,115,081	$1,036,520	$14,151,601	$781,627	$14,933,228
Commercial Expenses	5,080,559	808,557	5,889,116	316,037	6,205,153
General and Miscellaneous Expenses	1,916,599	155,885	2,072,484	116,884	2,189,368
Current Maintenance	9,531,773	409,370	9,941,143	546,357	10,487,500
Depreciation	6,616,668	380,829	6,997,497	643,963	7,641,460
Taxes	5,355,333	551,472	5,906,805	566,610	*6,473,415
Other Expenses and Deductions	450,464	144,202	594,666	109,085	703,751
Total Expenses	$42,066,477	$3,486,835	$45,553,312	$3,080,563	$48,633,875
Balance	$6,387,379	$1,526,579	$7,913,958	$1,168,237	$9,082,195
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	188,016	.....	188,016	.....	188,016
Balance Available for Return under present rates	$6,575,395	$1,526,579	$8,101,974	$1,168,237	$9,270,211
Less reduction under rates in suit	1,668,214	45,087	1,713,301	20,809	1,734,110
Balance available for Return under rates in suit	$4,907,181	$1,481,492	$6,388,673	$1,147,428	$7,536,101

* Represents actual taxes paid for the Year 1928 applicable to above operations and is $162,037 less than the total amount accrued on the books for all taxes during that year.

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1929

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$51,673,447	$1,413,957	$53,087,404	$710,796	$53,798,200
Toll Revenues	.....	4,225,964	4,225,964	6,989,353	11,215,317
Miscellaneous Operating Revenues	1,254,238	.....	1,254,238	5,394	1,259,632
Non-Operating Revenues	278,013	20,570	298,583	25,790	324,373
Gross Revenues	$53,205,698	$5,660,491	$58,866,189	$7,731,333	$66,597,522
Less Licensee Revenue—Dr	757,072	77,204	834,276	97,020	931,296
Total Revenues	$52,448,626	$5,583,287	$58,031,913	$7,634,313	$65,666,226
Traffic Expenses	$13,216,005	$1,271,673	$14,487,678	$2,794,535	$17,282,213
Commercial Expenses	5,257,238	877,099	6,134,337	385,222	6,519,559
General and Miscellaneous Expenses	1,917,567	176,545	2,094,112	275,632	2,369,744
Current Maintenance	10,178,530	492,996	10,671,526	929,194	11,600,720
Depreciation	6,974,241	449,930	7,424,171	696,211	8,120,382
Taxes	6,105,533	618,198	6,723,731	744,885	*7,468,616
Other Expenses and Deductions	382,563	127,226	509,789	133,965	643,754
Total Expenses	44,031,677	4,013,667	48,045,344	5,959,644	54,004,988
Balance	$8,416,949	$1,569,620	$9,986,569	$1,674,669	$11,661,238
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	217,842	.....	217,842	.....	217,842
Balance Available for Return under present rates	$8,634,791	$1,569,620	$10,204,411	$1,674,669	$11,879,080
Less reduction under rates in suit	1,693,349	47,233	1,740,582	21,854	1,762,436
Balance Available for Return under rates in suit	$6,941,442	$1,522,387	$8,463,829	$1,652,815	$10,116,644

* Represents actual taxes paid for the Year 1929 applicable to above operations and is $490,895 less than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-49—Continued

[fol. 2876] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1930

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$52,042,219	$1,494,403	$53,536,622	$715,498	$54,252,120
Toll Revenues	.....	4,321,661	4,321,661	7,345,653	11,667,314
Miscellaneous Operating Revenues	1,219,486	.....	1,219,486	6,080	1,225,566
Non-Operating Revenues	232,040	18,076	250,116	23,585	273,701
Gross Revenues	53,493,745	5,834,140	59,327,885	8,090,816	67,418,701
Less Licensee Revenue—Dr	782,801	81,330	864,131	104,091	968,222
Total Revenues	52,710,944	5,752,810	58,463,754	7,986,725	66,450,479
Traffic Expenses	12,320,929	1,300,952	13,621,881	2,664,532	16,286,413
Commercial Expenses	5,569,642	975,105	6,544,747	435,446	6,980,193
General and Miscellaneous Expenses	2,122,604	205,854	2,328,458	287,892	2,616,350
Current Maintenance	10,859,015	513,843	11,372,858	788,123	12,160,981
Depreciation	7,327,237	525,993	7,853,230	916,656	8,769,886
Taxes	6,518,550	678,105	7,196,655	896,176	#8,092,831
Other Expenses and Deductions	408,587	122,792	531,379	99,734	631,113
Total Expenses	45,126,564	4,322,644	49,449,208	6,088,559	55,537,767
Balance	7,584,380	1,430,166	9,014,546	1,898,166	10,912,712
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	221,691	.....	221,691	.....	221,691
Balance Available for Return under present rates	$7,806,071	$1,430,166	$9,236,237	$1,898,166	$11,134,403
Less reduction under rates in suit	1,599,053	46,825	1,645,878	20,496	1,666,374
Balance Available for Return under rates in suit	$6,207,018	$1,383,341	$7,590,359	$1,877,670	$9,468,029

Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year 1930 applicable to above operations and is $149,392 more than the total amount accrued on the books for all taxes during that year.

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1931

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$50,471,229	$1,321,735	$51,792,964	$665,191	$52,458,155
Toll Revenues	18,018	4,112,509	4,130,527	6,951,847	11 082,374
Miscellaneous Operating Revenues	1,050,286	.....	1,050,286	5,730	1,056,016
Non-Operating Revenues	107,177	8,001	115,178	10,528	125,706
Gross Revenues	$51,646,710	$5,442,245	$57,088,955	$7,633,296	$64,722,251
Less Licensee Revenue—Dr.	758,829	75,370	834,199	97,453	931,652
Total Revenues	$50,887,881	$5,366,875	$56,254,756	$7,535,843	$63,790,599
Traffic Expenses	$10,540,816	$1,194,978	$11,735,794	$2,250,640	$13,986,434
Commercial Expenses	5,534,184	955,991	6,490,175	429,970	6,920,145
General and Miscellaneous Expenses	2,445,809	244,230	2,690,039	314,283	3,004,322
Current Maintenance	10,351,339	490,714	10,842,053	704,029	11,546,082
Depreciation	7,558,432	562,703	8,121,135	1,025,133	9,146,268
Taxes	7,138,889	694,116	7,833,005	980,484	*8,813,489
Other Expenses and Deductions	498,304	127,072	625,376	102,891	728,267
Total Expenses	$44,067,773	$4,269,804	$48,337,577	$5,807,430	$54,145,007
Balance	6,820,108	1,097,071	7,917,179	1,728,413	9,645,592
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	236,661	.....	236,661	.....	236,661
Balance Available for Return under present rates	$7,056,769	$1,097,071	$8,153,840	$1,728,413	$9,882,253
Less reduction under rates in suit	1,396,167	37,577	1,433,744	17,120	1,450,864
Balance Available for Return under rates in suit	$5,660,602	$1,059,494	$6,720,096	$1,711,293	$8,431,389

* Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year 1931 applicable to above operations and is $500,760 more than the total amount accrued on the books for all taxes during that year.

[fol. 2878]

EXHIBIT A-50

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1923

(Excluding all Overheads on Lands)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$35,187,550	$673,513	$35,861,063	$481,163	$36,342,226
Toll Revenues	.....	1,828,914	1,828,914	1,214,080	3,042,994
Miscellaneous Operating Revenues	562,934	8,515	571,449	101,600	673,049
Non-Operating Revenues	212,417	16,684	229,101	97,020	326,121
Gross Revenues	$35,962,901	$2,527,626	$38,490,527	$1,893,863	$40,384,390
Less Licensee Revenue—Dr.	1,558,559	103,455	1,662,014	62,237	1,724,251
Total Revenues	34,404,342	2,424,171	36,828,513	1,831,626	38,660,139
Traffic Expenses	12,298,447	665,329	12,963,776	228,897	13,192,673
Commercial Expenses	3,573,425	450,733	4,024,158	178,115	4,202,273
General and Miscellaneous Expenses	973,064	59,101	1,032,165	31,029	1,063,194
Current Maintenance	5,468,607	175,016	5,643,623	258,110	5,901,733
Depreciation	4,011,672	197,473	4,209,145	271,809	4,480,954
Taxes	3,131,419	229,617	3,361,036	241,028	*3,602,064
Other Expenses and Deductions	211,414	40,881	252,295	36,868	289,163
Total Expenses	29,668,048	1,818,150	31,486,198	1,245,856	32,732,054
Balance	4,736,294	606,021	5,342,315	585,770	5,928,085
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	259,941	.....	259,941	.....	259,941
Balance Available for Return under present rates	$4,996,235	$606,021	$5,602,256	$585,770	$6,188,026
Less reduction under rates in suit	1,512,859	28,809	1,541,668	15,572	1,557,240
Balance available for Return under rates in suit	$3,483,376	$577,212	$4,060,588	$570,198	$4,630,786

* Represents actual taxes paid for the Year 1923 applicable to above operations and is $68,283 less than the total amount accrued on the books for all taxes during that year.

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1924

(Excluding all Overheads on Lands)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$37,497,773	$758,471	$38,256,244	$417,514	$38,673,758
Toll Revenues	.....	2,100,548	2,100,548	1,440,308	3,540,856
Miscellaneous Operating Revenues	614,956	8,656	623,612	120,760	744,372
Non-Operating Revenues	116,854	12,133	128,987	90,952	219,939
Gross Revenues	38,229,583	2,879,808	41,109,391	2,069,534	43,178,925
Less Licensee Revenue—Dr.	1,668,213	118,882	1,787,095	73,343	1,860,438
Total Revenues	36,561,370	2,760,926	39,322,296	1,996,191	41,318,478
Traffic Expenses	12,422,269	684,761	13,107,030	224,394	13,331,424
Commercial Expenses	3,959,092	539,929	4,499,021	194,300	4,693,321
General and Miscellaneous Expenses	1,003,687	64,338	1,068,025	33,387	1,101,412
Current Maintenance	5,844,038	199,699	6,043,737	282,594	6,326,331
Depreciation	4,258,681	197,663	4,456,344	253,606	4,709,950
Taxes	3,482,756	276,194	3,758,950	281,099	*4,040,049
Other Expenses and Deductions	271,198	62,091	333,289	49,468	382,757
Total Expenses	31,241,721	2,024,675	33,266,396	1,318,848	34,585,244
Balance	5,319,649	736,251	6,055,900 D	677,343	6,733,243
Net Compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	277,665	.....	277,665	.....	277,665
Balance Available for Return under present rates	$5,597,314	$736,251	$6,333,565	$677,343	$7,010,908
Less reduction under rates in suit	1,519,815	31,180	1,550,995	15,825	1,566,820
Balance available for Return under rates in suit	$4,077,499	$705,071	$4,782,570	$661,518	$5,444,088

* Represents actual taxes paid for the year 1924 applicable to above operations and is $13,294 less than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-50—Continued

[fol. 2880]

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1925

(Excluding all Overheads on Lands)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$39,856,670	$871,790	$40,728,460	$487,830	$41,216,290
Toll Revenues	.....	2,477,668	2,477,668	1,706,797	4,184,465
Miscellaneous Operating Revenues	646,130	11,184	657,314	129,332	786,646
Non-Operating Revenues	215,053	13,545	228,598	99,834	328,432
Gross Revenues	40,717,853	3,374,187	44,092,040	2,423,793	46,515,833
Less Licensee Revenue—Dr.	1,762,140	138,929	1,901,069	86,466	1,987,535
Total Revenues	38,955,713	3,235,258	42,190,971	2,337,327	44,528,298
Traffic Expenses	12,861,116	755,270	13,616,386	240,925	13,857,311
Commercial Expenses	4,078,936	582,018	4,660,954	206,553	4,867,507
General and Miscellaneous Expenses	990,402	66,056	1,056,458	34,595	1,091,053
Current Maintenance	6,347,832	215,361	6,563,193	313,395	6,876,588
Depreciation	4,796,038	237,491	5,033,529	352,183	5,385,712
Taxes	4,024,298	350,846	4,375,144	350,380	#4,725,524
Other Expenses and Deductions	352,453	85,053	437,506	57,143	494,649
Total Expenses	33,451,075	2,292,095	35,743,170	1,555,174	37,298,344
Balance	5,504,638	943,163	6,447,801	782,153	7,229,954
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	313,261	.....	313,261	.....	313,261
Balance Available for Return under present rates	$5,817,899	$943,163	$6,761,062	$782,153	$7,543,215
Less reduction under rates in suit	1,548,150	34,411	1,582,561	17,925	1,600,486
Balance Available for Return under rates in suit	$4,269,749	$908,752	$5,178,501	$764,228	$5,942,729

Represents actual taxes paid for the Year 1925 applicable to above operations and is $115,053 more than the total amount accrued on the books for all taxes during that year.

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1926

(Excluding all Overheads on Lands)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$42,790,484	$1,019,348	$43,809,832	$495,797	$44,305,629
Toll Revenues	.....	2,976,666	2,976,666	2,084,196	5,060,862
Miscellaneous Operating Revenues	629,901	14,712	644,613	133,517	778,130
Non-Operating Revenues	127,371	6,660	134,031	120,354	254,385
Gross Revenues	43,547,756	4,017,386	47,565,142	2,833,864	50,399,006
Less Licensee Revenue—Dr	1,695,347	150,224	1,845,571	90,307	1,935,878
Total Revenues	41,852,409	3,867,162	45,719,571	2,743,557	48,463,128
Traffic Expenses	13,265,949	906,240	14,172,189	256,610	14,428,799
Commercial Expenses	4,223,179	638,020	4,861,199	223,949	5,085,148
General and Miscellaneous Expenses	1,075,279	78,303	1,153,582	39,383	1,192,965
Current Maintenance	7,440,549	273,815	7,714,364	370,343	8,084,707
Depreciation	5,476,541	275,391	5,751,932	451,091	6,203,023
Taxes	4,469,445	437,841	4,907,286	422,765	※5,330,051
Other Expenses and Deductions	254,404	64,009	318,413	55,255	373,668
Total Expenses	36,205,346	2,673,619	38,878,965	1,819,396	40,698,361
Balance	5,647,063	1,193,543	6,840,606	924,161	7,764,767
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	174,858	.....	174,858	.....	174,858
Balance Available for Return under present rates	$5,821,921	$1,193,543	$7,015,464	$924,161	$7,939,625
Less reduction under rates in suit	1,611,533	39,037	1,650,570	17,684	1,668,254
Balance Available for Return under rates in suit	$4,210,388	$1,154,506	$5,364,894	$906,477	$6,271,371

※ Represents actual taxes paid for the Year 1926 applicable to above operations and is $16,346 less than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-50—Continued

[fol. 2882] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1927

(Excluding All Overheads on Lands)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$45,693,545	$1,144,705	$46,838,250	$553,701	$47,391,951
Toll Revenues	.....	3,395,072	3,395,072	2,433,903	5,828,975
Miscellaneous Operating Revenues	593,422	.....	593,422	124,204	717,626
Non-Operating Revenues	142,249	7,777	150,026	142,002	292,028
Gross Revenues	46,429,216	4,547,554	50,976,770	3,253,810	54,230,580
Less Licensee Revenue—Dr.	1,812,145	168,735	1,980,880	104,840	2,085,720
Total Revenues	44,617,071	4,378,819	48,995,890	3,148,970	52,144,860
Traffic Expenses	12,804,628	963,018	13,767,646	276,808	14,044,454
Commercial Expenses	4,724,389	719,809	5,444,198	257,772	5,701,970
General and Miscellaneous Expenses	1,619,332	124,824	1,744,156	62,174	1,806,330
Current Maintenance	8,521,672	327,878	8,849,550	410,304	9,259,854
Depreciation	5,997,760	320,587	6,318,347	521,045	6,839,392
Taxes	4,791,344	491,061	5,282,405	485,751	*5,768,156
Other Expenses and Deductions	360,514	95,867	456,381	74,996	531,377
Total Expenses	38,819,639	3,043,044	41,862,683	2,088,850	43,951,533
Balance	5,797,432	1,335,775	7,133,207	1,060,120	8,193,327
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	144,041	.....	144,041	.....	144,041
Balance Available for Return under present rates	$5,941,473	$1,335,775	$7,277,248	$1,060,120	$8,337,368
Less reduction under rates in suit	1,635,362	41,715	1,677,077	18,653	1,695,730
Balance Available for Return under Rates in suit	$4,306,111	$1,294,060	$5,600,171	$1,041,467	$6,641,638

* Represents actual taxes paid for the Year 1927 applicable to the above operations and is $299,542 less than the total amount accrued on the books for all taxes during that year.

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1928

(Excluding All Overheads on Lands)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$48,323,639	$1,282,540	$49,606,179	$638,344	$50,244,523
Toll Revenues	.....	3,800,457	3,800,457	3,354,217	7,154,674
Miscellaneous Operating Revenues	723,312	.....	723,312	178,209	901,521
Non-Operating Revenues	351,052	22,989	374,041	146,204	520,245
Gross Revenues	49,398,003	5,105,986	54,503,989	4,316,974	58,820,963
Less Licensee Revenue—Dr.	944,026	92,590	1,036,616	68,277	1,104,893
Total Revenues	$48,453,977	$5,013,396	$53,467,373	$4,248,697	$57,716,070
Traffic Expenses	$13,115,081	$1,036,520	$14,151,601	$781,627	$14,933,228
Commercial Expenses	5,080,559	808,557	5,889,116	316,037	6,205,153
General and Miscellaneous Expenses	1,916,599	155,885	2,072,484	116,884	2,189,368
Current Maintenance	9,531,773	409,370	9,941,143	546,357	10,487,500
Depreciation	6,616,696	380,825	6,997,521	643,939	7,641,460
Taxes	5,355,757	551,373	5,907,130	566,285	*6,473,415
Other Expenses and Deductions	450,460	144,202	594,662	109,089	703,751
Total Expenses	$42,066,925	$3,486,732	$45,553,657	$3,080,218	$48,633,875
Balance	$6,387,052	$1,526,664	$7,913,716	$1,168,479	$9,082,195
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	188,016	.....	188,016	.....	188,016
Balance Available for Return under present rates	$6,575,068	$1,526,664	$8,101,732	$1,168,479	$9,270,211
Less reduction under rates in suit	1,668,214	45,087	1,713,301	20,809	1,734,110
Balance available for Return under rates in suit	$4,906,854	$1,481,577	$6,388,431	$1,147,670	$7,536,101

* Represents actual taxes paid for the Year 1928 applicable to above operations and is $162,037 less than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-50—Continued

[fol. 2884]

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1929

(Excluding all Overheads on Lands)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$51,673,447	$1,413,957	$53,087,404	$710,796	$53,798,200
Toll Revenues	.....	4,225,964	4,225,964	6,989,353	11,215,317
Miscellaneous Operating Revenues	1,254,238	.....	1,254,238	5,394	1,259,632
Non-Operating Revenues	278,098	20,553	298,651	25,722	324,373
Gross Revenues	$53,205,783	$5,660,474	$58,866,257	$7,731,265	$66,597,522
Less Licensee Revenue—Dr	757,072	77,204	834,276	97,020	931,296
Total Revenues	$52,448,711	$5,583,270	$58,031,981	$7,634,245	$65,666,226
Traffic Expenses	$1,216,005	$1,271,673	$14,487,678	$2,794,535	$17,282,213
Commercial Expenses	5,257,238	877,099	6,134,337	385,222	6,519,559
General and Miscellaneous Expenses	1,917,567	176,545	2,094,112	275,632	2,369,744
Current Maintenance	10,178,530	492,996	10,671,526	929,194	11,600,720
Depreciation	6,974,270	449,925	7,424,195	696,187	8,120,382
Taxes	6,106,126	618,117	6,724,243	744,373	*7,468,616
Other Expenses and Deductions	382,563	127,225	509,788	133,966	643,754
Total Expenses	44,032,299	4,013,580	48,045,879	5,959,109	54,004,988
Balance	$8,416,412	$1,569,690	$9,986,102	$1,675,136	$11,661,238
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	217,842	.....	217,842	.....	217,842
Balance Available for Return under present rates	$8,634,254	$1,569,690	$10,203,944	$1,675,136	$11,879,080
Less reduction under rates in suit	1,693,349	47,233	1,740,582	21,854	1,762,436
Balance Available for Return under rates in suit	$6,940,905	$1,522,457	$8,463,362	$1,653,282	$10,116,644

* Represents actual taxes paid for the Year 1929 applicable to above operations and is $490,895 less than the total amount accrued on the books for all taxes during that year.

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1930

(Excluding all Overheads on Lands)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$52,042,219	$1,494,403	$53,536,622	$715,498	$54,252 120
Toll Revenues	.....	4,321,661	4,321,661	7,345,653	11,667,314
Miscellaneous Operating Revenues	1,219,486	.....	1,219,486	6,080	1,225,566
Non-Operating Revenues	232,119	18,061	250,180	23,521	273,701
Gross Revenues	53,493,824	5,834,125	59,327,949	8,090,752	67,418,701
Less Licensee Revenue—Dr	782,801	81,330	864,131	104,091	968,222
Total Revenues	52,711,023	5,752,795	58,463,818	7,986,661	66,450,479
Traffic Expenses	12,320,929	1,300,952	13,621,881	2,664,532	16,286,413
Commercial Expenses	5,569,642	975,105	6,544,747	435,446	6,980,193
General and Miscellaneous Expenses	2,122,604	205,854	2,328,458	287,892	2,616,350
Current Maintenance	10,859,015	513,843	11,372,858	788,123	12,160,981
Depreciation	7,327,286	525,983	7,853,269	916,617	8,769,886
Taxes	6,518,599	678,136	7,196,735	896,096	#8,092,831
Other Expenses and Deductions	408,588	122,792	531,380	99,733	631,113
Total Expenses	45,126,663	4,322,665	49,449,328	6,088,439	55,537,767*
Balance	7,584,360	1,430,130	9,014,490	1,898,222	10,912,712
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	221,691	.....	221,691	.....	221,691
Balance Available for Return under present rates	$7,806,051	$1,430,130	$9,236,181	$1,898,222	$11,134,403
Less reduction under rates in suit	1,599,053	46,825	1,645,878	20,496	1,666,374
Balance Available for Return under rates in suit	$6,206,998	$1,383,305	$7,590,303	$1,877,726	$9,468,029

Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year 1930 applicable to above operations and is $149,392 more than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-50—Continued

[fol. 2886] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income for the Year 1931

(Excluding All Overheads on Lands)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$50,471,229	$1,321,735	$51,792,964	$665,191	$52,458,155
Toll Revenues	18,018	4,112,509	4,130,527	6,951,847	11,082,374
Miscellaneous Operating Revenues	1,050,286	.....	1,050,286	5,730	1,056,016
Non-Operating Revenues	107,210	7,996	115,206	10,500	125,706
Gross Revenues	$51,646,743	$5,442,240	$57,088,983	$7,633,268	$64,722,251
Less Licensee Revenue—Dr	758,829	75,370	834,199	97,453	931,652
Total Revenues	$50,887,914	$5,366,870	$56,254,784	$7,535,815	$63,790,599
Traffic Expenses	$10,540,816	$1,194,978	$11,735,794	$2,250,640	$13,986,434
Commercial Expenses	5,534,184	955,991	6,490,175	429,970	6,920,145
General and Miscellaneous Expenses	2,445,812	244,230	2,690,042	314,280	3,004,322
Current Maintenance	10,351,339	490,714	10,842,053	704,029	11,546,082
Depreciation	7,558,477	562,696	8,121,173	1,025,095	9,146,268
Taxes	7,139,151	694,025	7,833,176	980,313	*8,813,489
Other Expenses and Deductions	498,302	127,072	625,374	102,893	728,267
Total Expenses	$44,068,081	$4,269,706	$48,337,787	$5,807,220	$54,145,007
Balance	6,819,833	1,097,164	7,916,997	1,728,595	9,645,592
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	236,661	.....	236,661	.....	236,661
Balance Available for Return under present rates	$7,056,494	$1,097,164	$8,153,658	$1,728,595	$9,882,253
Less reduction under rates in suit	1,396,167	37,577	1,433,744	17,120	1,450,864
Balance Available for Return under rates in suit	$5,660,327	$1,059,587	$6,719,914	$1,711,475	$8,431,389

* Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year 1931 applicable to above operations and is $500,766 more than the total amount accrued on the books for all taxes during that year.

[fol. 2887]

EXHIBIT A-51

Illinois Bell Telephone Company

Detail of Net Compensation to Chicago for Use of Chicago Properties for Other Than Chicago Purposes and Use of State Area Properties for Chicago Purposes

	1923	1924	1925	1926	1927	1928	1929	1930
Compensation due Chicago Area for the following items used in part for State Area purposes								
(a) Land and Buildings	$113,287	$116,370	$121,816	$124,650	$76,367	$77,733	$100,326	$75,628
(b) Office Furniture and Fixtures	15,522	16,062	17,355	32,331	40,652	52,736	64,035	84,645
(c) General Store Equipment	.....	.....	.....	.....	.....	2,000	2,064	890
(d) General Stable and Garage Equipment	1,406	1,893	2,096	2,165	2,217	2,371	2,462	5,973
(e) General Tools and Implements	258	309	226	276	429	584	695	1,885
(f) Official Private Branch Exchange	21,792	22,767	23,782	22,807	23,620	52,185	53,666	57,867
(g) Plant and Equipment used to operate Chicago Served Suburban Exchanges	140,529	151,501	182,207	13,500	9,257	10,733	10,322	18,111
(h) Improvements to Leased Buildings	.....	.....	.....	.....	6,886	7,590	6,742	7,066
(i) Amortization of Special Assessments	.....	.....	24	34	24	24	34	27
(j) Chicago Residence Telephone Service furnished on concession basis to State Area employees	12,157	14,320	14,981	17,216	19,218	22,609	26,393	29,490
(k) Toll Calls on Company business	1,498	2,508	4,322	7,173	9,333	16,853	18,767	19,944
(l) Employees Recreational Activities	750	1,008	667	698	1,328	1,826	1,295	1,516
(m) Official Telephone Directory	92	109	88	106	181	361	480	271
Total	307,291	326,847	367,564	220,956	189,512	247,605	287,281	303,313
Compensation due State Area for the following items used in part for Chicago Area purposes								
(a) Land and Buildings	11,746	11,765	11,331	12,502	12,036	14,534	14,148	13,768
(b) Office Furniture and Fixtures	1,647	1,494	1,491	1,503	1,488	1,533	1,711	1,728
(c) General Stable and Garage Equipment	87	88	71	129	94	97	389	270
(d) Plant and Equipment used to operate Suburban Served Chicago Stations	132	206	258	286	276	5,467	10,693	19,595

EXHIBIT A-51—Continued

	1923	1924	1925	1926	1927	1928	1929	1930
(e) Suburban Residence Telephone Service furnished on concession basis to Chicago Area employees	$11,772	$12,024	$13,536	$14,904	$16,416	$19,176	$21,444	$23,699
(f) Toll Calls on Company business	896	1,027	1,117	1,642	1,836	2,191	2,026	2,841
Total	26,280	26,604	27,804	30,966	32,146	42,998	50,411	61,901
Net Difference	281,011	300,243	339,760	189,990	157,366	204,607	236,870	241,412
Federal Income Tax on net difference	21,070	22,578	26,499	15,132	13,325	16,591	19,028	19,721
Net Compensation to Chicago for use of Chicago Properties for Other Than Chicago purposes and use of State Area properties for Chicago purposes	$259,941	$277,665	$313,261	$174,858	$144,041	$188,016	$217,842	$221,691

[fol. 2888] Illinois Bell Telephone Company

Detail of Net Compensation to Chicago for Use of Chicago Properties for Other Than Chicago Purposes and Use of State Area Properties for Chicago Purposes

Year 1931

Compensation due Chicago Area for the following items used in part for State Area purposes	
(a) Land and Buildings	$88,402
(b) Office Furniture and Fixtures	90,118
(c) General Store Equipment	757
(d) General Stable and Garage Equipment	4,341
(e) General Tools and Implements	1,988
(f) Official Private Branch Exchange	58,641
(g) Plant and Equipment used to operate Chicago served Suburban Exchanges	15,157
(h) Improvements to Leased Buildings	2,928
(i) Amortization of Special Assessments	33
(j) Chicago Residence Telephone Service furnished on concession basis to State Area employees	30,757
(k) Toll Calls on Company business	22,477
(l) Employees' Recreational Activities	491
(m) Official Telephone Directory	288
Total	316,378
Compensation due State Area for the following items used in part for Chicago Area purposes	
(a) Land and Buildings	11,517
(b) Office Furniture and Fixtures	1,682
(c) General Stable and Garage Equipment	219
(d) Plant and Equipment used to operate Suburban Served Chicago Stations	14,953
(e) Suburban Residence Telephone Service furnished on concession basis to Chicago Area employees	26,151
(f) Toll Calls on Company business	4,376
Total	58,898
Net Difference	257,480
Federal Income Tax on net difference	20,819
Net Compensation to Chicago for use of Chicago Properties for Other Than Chicago purposes and use of State Area properties for Chicago purposes	$236,661

[fol. 2889]

EXHIBIT A-52

Illinois Bell Telephone Company, Chicago Exchange
Estimated Reduction in Net Income from Rates in Suit

	Oct.-Dec. 1923	1924	1925	1926	1927	1928	1929	1930
1. Decrease in Annual Revenues from rates in suit	$549,900	$2,185,100	$2,143,700	$2,273,100	$2,198,800	$2,180,700	$2,246,100	$2,202,600
2. Decrease in Traffic Expenses	71,731	264,689	178,025	220,463	119,764	135,397	197,235	239,355
3. Decrease in Licensee Revenue—Dr.	24,746	98,330	96,467	90,924	87,952	43,614	33,692	33,039
4. Decrease in 3% payment to City of Chicago	16,497	65,553	64,311	68,193	65,964	65,421	67,383	66,078
5. Total of above decreased expenses (2+3+4)	112,974	428,572	338,803	379,580	273,680	244,432	298,310	338,472
6. Less: Increased Revenue Accounting Expense	8,000	34,124	34,742	35,097	35,261	34,311	32,475	29,479
7. Net decrease in above expenses (line 5 minus 6)	104,974	394,448	304,061	344,483	238,419	210,121	265,835	308,993
8. Net reduction in Net Income before Federal Income Tax (line 1 minus 7)	444,926	1,790,652	1,839,639	1,928,617	1,960,381	1,970,579	1,980,265	1,893,607
9. Federal Income Tax	55,616	223,832	239,153	260,363	264,651	236,469	217,829	227,233
10. Net reduction in Net Income under Rates in Suit (line 8 minus 9)	$389,310	$1,566,820	$1,600,486	$1,668,254	$1,695,730	$1,734,110	$1,762,436	$1,666,374

[fol. 2890] Illinois Bell Telephone Company, Chicago Exchange

Estimated Reduction in Net Income from Rates in Suit, Year 1931

1.	Decrease in Annual Revenues from rates in suit	$1,817,641
2.	Decrease in Traffic Expenses	113,105
3.	Decrease in Licensee Revenue—Dr	27,265
4.	Decrease in 3% payment to City of Chicago	54,529
5.	Total of above decreased expenses (2+3+4)	194,899
6.	Less: Increased Revenue Accounting Expense	25,967
7.	Net decrease in above expenses (line 5 minus 6)	168,932
8.	Net reduction in Net Income before Federal Income Tax (line 1 minus 7)	1,648,709
9.	Federal Income Tax	197,845
10.	Net reduction in Net Income under Rates in Suit (line 8 minus 9)	$1,450,864

[fol. 2891]

EXHIBIT A-53

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1923

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$4,996,252	$606,019	$5,602,271	$585,755	$6,188,026
3	(b) Rates in Suit	3,483,393	577,210	4,060,603	570,183	4,630,786
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$124,525,686	$5,748,235	$130,273,921	$6,130,266	$136,404,187
5	Construction Work in Progress	737,955	39,172	777,127	35,416	812,543
6	Going Value	20,417,619	934,453	21,352,072	997,928	22,350,000
7	Total (Lines 4, 5 and 6)	145,681,260	6,721,860	152,403,120	7,163,610	159,566,730
8	Average for the year	138,994,490	6,413,327	145,407,817	6,834,800	152,242,617
9	Average Material and Supplies	212,875	9,743	222,618	10,404	233,022
10	Average Working Cash Capital	2,750,000	165,000	2,915,000	85,000	3,000,000
11	Total (Lines 8, 9 and 10)	$141,957,365	$6,588,070	$148,545,435	$6,930,204	$155,475,639
12	Book Cost of Plant in Service and General Equipment	$91,390,588	$4,182,675	$95,573,263	$4,466,788	$100,040,051
13	Construction Work in Progress	737,955	39,172	777,127	35,416	812,543
14	Total (Lines 12 and 13)	92,128,543	4,221,847	96,350,390	4,502,204	100,852,594
15	Average for the year	87,903,294	4,028,222	91,931,516	4,295,722	96,227,238
16	Average Material and Supplies	212,875	9,743	222,618	10,404	233,022
17	Average Working Cash Capital	2,750,000	165,000	2,195,000	85,000	3,000,000
18	Total (Lines 15, 16 and 17)	$90,866,169	$4,202,965	$95,069,134	$4,391,126	$99,460,260
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.52%	9.20%	3.77%	8.45%	3.98%
21	(a) Present Rates based on Average Book Cost (Line 18)	5.50%	14.42%	5.89%	13.34%	6.22%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.45%	8.76%	2.73%	8.23%	2.98%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.83%	13.73%	4.27%	12.98%	4.66%

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1924

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$5,597,580	$736,248	$6,333,828	$677,080	$7,010,908
3	(b) Rates in Suit	4,077,765	705,068	4,782,833	661,255	5,444,088
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$130,231,871	$6,462,113	$136,693,984	$7,146,343	$143,840,327
5	Construction Work in Progress	1,911,818	104,356	2,016,174	84,071	2,100,245
6	Going Value	21,292,645	1,047,160	22,339,805	1,160,195	23,500,000
7	Total (Lines 4, 5 and 6)	153,436,334	7,613,629	161,049,963	8,390,609	169,440,572
8	Average for the year	149,558,797	7,167,745	156,726,542	7,777,109	164,503,651
9	Average Material and Supplies	271,196	13,337	284,533	14,777	299,310
10	Average Working Cash Capital	2,880,000	180,000	3,060,000	90,000	3,150,000
11	Total (Lines 8, 9 and 10)	$152,709,993	$7,361,082	$160,071,075	$7,881,886	$167,952,961
12	Book Cost of Plant in Service and General Equipment	$109,562,558	$4,945,609	$105,508,167	$5,479,459	$110,987,626
13	Construction Work in Progress	1,911,818	104,356	2,016,174	84,071	2,100,245
14	Total (Lines 12 and 13)	102,474,376	5,049,965	107,524,341	5,563,530	113,087,871
15	Average for the year	97,301,460	4,635,906	101,937,366	5,032,867	106,970,233
16	Average Material and Supplies	271,196	13,337	284,533	14,777	299,310
17	Average Working Cash Capital	2,880,000	180,000	3,060,000	90,000	3,150,000
18	Total (Lines 15, 16 and 17)	$100,452,656	$4,829,243	$105,281,899	$5,137,644	$110,419,543
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.67%	10.00%	3.96%	8.59%	4.17%
21	(a) Present Rates based on Average Book Cost (Line 18)	5.57%	15.25%	6.02%	13.18%	6.35%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.67%	9.58%	2.99%	8.39%	3.24%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	4.06%	14.60%	4.54%	12.87%	4.93%

EXHIBIT A-53—Continued

[fol. 2893]

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1925)

		Instrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$5,817,884	$943,165	$6,761,049	$782,166	$7,543,215
3	(b) Rates in Suit	4,269,734	908,754	5,178,488	764,241	5,942,729
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$142,394,290	$7,331,425	$149,725,715	$8,865,428	$158,591,143
5	Construction Work in Progress	1,256,041	66,004	1,322,045	68,251	1,390,296
6	Going Value	23,272,963	1,188,033	24,460,996	1,439,004	25,900,000
7	Total (Lines 4, 5 and 6)	166,923,294	8,585,462	175,508,756	10,372,683	185,881,439
8	Average for the year	160,179,814	8,099,546	168,279,360	9,381,646	177,661,006
9	Average Material and Supplies	321,892	16,432	338,324	19,903	358,227
10	Average Working Cash Capital	3,025,000	200,000	3,225,000	100,000	3,325,000
11	Total (Lines 8, 9 and 10)	$163,526,706	$8,315,978	$171,842,684	$9,501,549	$181,344,233
12	Book Cost of Plant in Service and General Equipment	$113,663,235	$5,802,255	$119,465,490	$7,027,977	$126,493,467
13	Construction Work in Progress	1,256,041	66,004	1,322,045	68,251	1,390,296
14	Total (Lines 12 and 13)	114,919,276	5,868,259	120,787,535	7,096,228	127,883,763
15	Average for the year	108,696,826	5,459,112	114,155,938	6,329,879	120,485,817
16	Average Material and Supplies	321,892	16,432	338,324	19,903	358,227
17	Average Working Cash Capital	3,025,000	200,000	3,225,000	100,000	3,325,000
18	Total (Lines 15, 16 and 17)	$112,043,718	$5,675,544	$117,719,262	$6,449,782	$124,169,044
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.56%	11.34%	3.93%	8.23%	4.16%
21	(a) Present Rates based on Average Book Cost (Line 18)	5.19%	16.62%	5.74%	12.13%	6.07%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.61%	10.93%	3.01%	8.04%	3.28%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.81%	16.01%	4.40%	11.85%	4.79%

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1926

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$5,821,960	$1,193,543	$7,015,503	$924,122	$7,939,625
3	(b) Rates in Suit	4,210,427	1,154,506	5,364,933	906,438	6,271,371
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$146,544,429	$8,111,233	$154,655,662	$9,687,332	$164,342,994
5	Construction Work in Progress	692,768	39,597	732,365	42,914	775,279
6	Going Value	23,960,940	1,315,650	25,276,590	1,573,410	26,850,000
7	Total (Lines 4, 5 and 6)	$171,198,137	9,466,480	180,664,617	11,303,656	191,968,273
8	Average for the year	169,060,716	9,025,971	178,086,687	10,838,169	188,924,856
9	Average Material and Supplies	300,465	16,498	316,963	19,730	336,693
10	Average Working Cash Capital	3,200,000	240,000	3,440,000	110,000	3,550,000
11	Total (Lines 8, 9 and 10)	$172,561,181	$9,282,469	$181,843,650	$10,967,899	$192,811,549
12	Book Cost of Plant in Service and General Equipment	$125,753,296	$6,904,876	$132,658,172	$8,257,668	$140,915,840
13	Construction Work in Progress	692,768	39,597	732,365	42,914	775,279
14	Total (Lines 12 and 13)	$126,446,064	$6,944,473	$133,390,537	$8.300,582	$141,691,119
15	Average for the year	120,682,670	6,406,366	127,089,036	7,698,405	134,787,441
16	Average Material and Supplies	300,465	16,498	316,963	19,730	336,693
17	Average Working Cash Capital	3,200,000	240,000	3,440,000	110,000	3,550,000
18	Total (Lines 15, 16 and 17)	$124,183,135	$6,662,864	$130,845,999	$7,828,135	$138,674,134
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.37%	12.86%	3.86%	8.43%	4.12%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.69%	17.91%	5.36%	11.81%	5.73%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.44%	12.44%	2.95%	8.26%	3.25%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.39%	17.33%	4.10%	11.58%	4.52%

EXHIBIT A-53—Continued

[fol. 2895]

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1927

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$5,941,909	$1,335,530	$7,277,439	$1,059,929	$8,337,368
3	(b) Rates in Suit	4,306,547	1,293,815	5,600,362	1,041,276	6,641,638
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$156,202,576	$9,519,550	$165,722,126	$11,172,978	$176,895,104
5	Construction Work in Progress	4,831,588	330,832	5,162,420	274,639	5,437,059
6	Going Value	25,543,554	1,543,260	27,086,814	1,813,186	28,900,000
7	Total (Lines 4, 5 and 6)	186,577,718	11,393,642	197,971,360	13,260,803	211,232,163
8	Average for the year	178,887,928	10,430,061	189,317,989	12,282,229	201,600,218
9	Average Material and Supplies	288,668	17,440	306,108	20,491	326,599
10	Average Working Cash Capital	3,425,000	270,000	3,695,000	130,000	3,825,000
11	Total (Lines 8, 9 and 10)	$182,601,596	$10,717,501	$193,319,097	$12,432,720	$205,751,817
12	Book Cost of Plant in Service and General Equipment	$137,447,687	$8,304,151	$145,751,838	$9,756,599	$155,508,437
13	Construction Work in Progress	4,831,588	330,832	5,162,420	274,639	5,437,059
14	Total (Lines 12 and 13)	142,279,275	8,634,983	150,914,258	10,031,238	160,945,496
15	Average for the year	134,362,670	7,789,728	142,152,398	9,165,910	151,318,308
16	Average Material and Supplies	288,668	17,440	306,108	20,491	326,599
17	Average Working Cash Capital	3,425,000	270,000	3,695,000	130,000	3,825,000
18	Total (Lines 15, 16 and 17)	$138,076,338	$8,077,168	$146,153,506	$9,316,401	$155,469,907
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc., (Line 11)	3.25%	12.46%	3.76%	8.53%	4.05%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.30%	16.53%	4.98%	11.38%	5.36%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.36%	12.07%	2.90%	8.38%	3.23%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.12%	16.02%	3.83%	11.18%	4.27%

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1928

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$6,575,395	$1,526,579	$8,101,974	$1,168,237	$9,270,211
3	(b) Rates in Suit	4,907,181	1,481,492	6,388,673	1,147,428	7,536,101
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$162,282,549	$11,025,592	$173,308,141	$13,585,120	$186,893,261
5	Construction Work in Progress	2,610,813	155,479	2,766,292	509,464	3,275,756
6	Going Value	26,513,040	1,786,080	28,299,120	2,200,880	30,500,000
7	Total (Lines 4, 5 and 6)	$191,406,402	$12,967,151	$204,373,553	$16,295,464	$220,669,017
8	Average for the year	188,992,060	12,180,397	201,172,457	14,778,133	215,950,590
9	Average Material and Supplies	299,325	20,164	319,489	24,847	344,336
10	Average Working Cash Capital	3,550,000	290,000	3,840,000	210,000	4,050,000
11	Total (Lines 8, 9 and 10)	$192,841,385	$12,490,561	$205,331,946	$15,012,980	$220,344,926
12	Book Cost of Plant in Service and General Equipment	$147,248,055	$9,919,527	$157,167,582	$12,223,242	$169,390,824
13	Construction Work in Progress	2,610,813	155,479	2,766,292	509,464	3,275,756
14	Total (Lines 12 and 13)	$149,858,868	$10,075,006	$159,933,874	$12,732,706	$172,666,580
15	Average for the year	146,069,072	9,354,994	155,424,066	11,381,972	166,806,038
16	Average Material and Supplies	299,325	20,164	319,489	24,847	344,336
17	Average Working Cash Capital	3,550,000	290,000	3,840,000	210,000	4,050,000
18	Total (Lines 15, 16 and 17)	$149,918,397	$9,665,158	$159,583,555	$11,616,819	$171,200,374
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.41%	12.22%	3.95%	7.78%	4.21%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.39%	15.79%	5.08%	10.06%	5.41%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.54%	11.86%	3.11%	7.64%	3.42%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.27%	15.33%	4.00%	9.88%	4.40%

EXHIBIT A-53—Continued

[fol. 2897] Illinois Bell Telephone Company, Chicago Exchange.

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1929

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$8,634,791	$1,569,620	$10,204,411	$1,674,669	$11,879,080
3	(b) Rates in Suit	6,941,442	1,522,387	8,463,829	1,652,815	10,116,644
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$173,196,480	$13,520,712	$186,717,192	$16,835,366	$203,552,558
5	Construction Work in Progress	1,525,803	145,414	1,671,217	303,471	1,974,688
6	Going Value	28,145,370	2,174,040	30,319,410	2,680,590	33,000,000
7	Total (Lines 4, 5 and 6)	202,867,653	15,840,166	218,707,819	19,819,427	238,527,246
8	Average for the year	197,137,028	14,403,658	211,540,686	18,057,446	229,598,132
9	Average Material and Supplies	235,475	18,189	253,664	22,427	276,091
10	Average Working Cash Capital	3,635,000	340,000	3,975,000	525,000	4,500,000
11	Total (Lines 8, 9 and 10)	$201,007,503	$14,761,847	$215,769,350	$18,604,873	$234,374,223
12	Book Cost of Plant in Service and General Equipment	$155,786,807	$12,033,480	$167,820,287	$14,837,274	$182,657,561
13	Construction Work in Progress	1,525,803	145,414	1,671,217	303,471	1,974,688
14	Total (Lines 12 and 13)	157,312,610	12,178,894	169,491,504	15,140,745	184,632,249
15	Average for the year	153,585,739	11,126,950	164,712,689	13,936,726	178,649,415
16	Average Material and Supplies	235,475	18,189	253,664	22,427	276,091
17	Average Working Cash Capital	3,635,000	340,000	3,975,000	525,000	4,500,000
18	Total (Lines 15, 16 and 17)	$157,456,214	$11,485,139	$168,941,353	$14,484,153	$183,425,506
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	4.30%	10.63%	4.73%	9.00%	5.07%
21	(a) Present Rates based on Average Book Cost (Line 18)	5.48%	13.67%	6.04%	11.56%	6.48%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.45%	10.31%	3.92%	8.88%	4.32%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	4.41%	13.26%	5.01%	11.41%	5.52%

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1930

		Intrastate			Interstate	Total
		Exchange	Toll	Total	Toll	Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$7,806,071	$1,430,166	$9,236,237	$1,898,166	$11,134,403
3	(b) Rates in Suit	6,207,018	1,383,341	7,590,359	1,877,670	9,468,029
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$178,065,680	$14,548,710	$192,614,390	$19,411,123	$212,025,513
5	Construction Work in Progress	3,831,948	303,804	4,135,752	280,013	4,415,765
6	Going Value	28,967,208	2,341,608	31,308,816	3,091,184	34,400,000
7	Total (Lines 4, 5 and 6)	210,864,836	17,194,122	228,058,958	22,782,320	250,841,278
8	Average for the year	206,866,245	16,517,144	223,383,389	21,300,873	244,684,262
9	Average Material and Supplies	176,653	14,280	190,933	18,851	209,784
10	Average Working Cash Capital	3,690,000	360,000	4,050,000	500,000	4,550,000
11	Total (Lines 8, 9 and 10)	$210,732,898	$16,891,424	$227,624,322	$21,819,724	$249,444,046
12	Book Cost of Plant in Service and General Equipment	$161,076,341	$13,020,849	$174,097,190	$17,188,975	$191,286,165
13	Construction Work in Progress	3,831,948	303,804	4,135,752	280,013	4,415,765
14	Total (Lines 12 and 13)	164,908,289	13,324,653	178,232,942	17,468,988	195,701,930
15	Average for the year	161,110,450	12,751,773	173,862,223	16,304,867	190,167,090
16	Average Material and Supplies	176,653	14,280	190,933	18,851	209,784
17	Average Working Cash Capital	3,690,000	360,000	4,050,000	500,000	4,550,000
18	Total (Lines 15, 16 and 17)	$164,977,103	$13,126,053	$178,103,156	$16,823,718	$194,926,874
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.70%	8.47%	4.06%	8.70%	4.46%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.73%	10.90%	5.19%	11.28%	5.71%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.95%	8.19%	3.33%	8.61%	3.80%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.76%	10.54%	4.26%	11.16%	4.86%

EXHIBIT A-53—Continued

[fol. 2899]

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1931

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$7,056,769	$1,097,071	$8,153,840	$1,728,413	$9,882,253
3	(b) Rates in Suit	5,660,602	1,059,494	6,720,096	1,711,293	8,431,389
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$176,280,127	$14,433,827	$190,713,954	$19,873,916	$210,587,870
5	Construction Work in Progress	136,008	27,763	163,771	278,185	441,956
6	Going Value	28,540,280	2,310,980	30,851,260	3,148,740	34,000,000
7	Total (Lines 4, 5 and 6)	204,956,415	16,772,570	221,728,985	23,300,841	245,029,826
8	Average for the year	207,910,626	16,983,346	224,893,972	23,041,580	247,935,552
9	Average Material and Supplies	188,393	15,255	203,648	20,785	224,433
10	Average Working Cash Capital	3,450,000	350,000	3,800,000	450,000	4,250,000
11	Total (Lines 8, 9 and 10)	$211,549,019	$17,348,601	$228,897,620	$23,512,365	$252,409,985
12	Book Cost of Plant in Service and General Equipment	$164,041,230	$13,282,842	$177,324,072	$18,098,041	$195,422,113
13	Construction Work in Progress	136,008	27,763	163,771	278,185	441,956
14	Total (Lines 12 and 13)	164,177,238	13,310,605	177,487,843	18,376,226	195,864,069
15	Average for the year	164,542,764	13,317,629	177,860,393	17,922,607	195,783,000
16	Average Material and Supplies	188,393	15,255	203,648	20,785	224,433
17	Average Working Cash Capital	3,450,000	350,000	3,800,000	450,000	4,250,000
18	Total (Lines 15, 16 and 17)	$168,181,157	$13,682,884	$181,864,041	$18,393,392	$200,257,433
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.34%	6.32%	3.56%	7.35%	3.92%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.20%	8.02%	4.48%	9.40%	4.93%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.68%	6.11%	2.94%	7.28%	3.34%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.37%	7.74%	3.70%	9.30%	4.21%

EXHIBIT A-54

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1923

(Excluding all Overheads on Land)

		Intrastate			Interstate	Total
		Exchange	Toll	Total	Toll	Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$4,996,235	$606,021	$5,602,256	$585,770	$6,188,026
3	(b) Rates in Suit	3,483,376	577,212	4,060,588	570,198	4,630,786
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$124,112,615	$5,727,859	$129,840,474	$6,096,897	$135,937,371
5	Construction Work in Progress	737,955	39,172	777,127	35,416	812,543
6	Going Value	20,419,854	934,230	21,354,084	995,916	22,350,000
7	Total (Lines 4, 5 and 6)	145,270,424	6,701,261	151,971,685	7,128,229	159,099,914
8	Average for the year	138,602,512	6,393,673	144,996,185	6,801,043	152,797,228
9	Average Material and Supplies	212,898	9,740	222,638	10,384	233,022
10	Average Working Cash Capital	2,750,000	165,000	2,915,000	85,000	3,000,000
11	Total (Lines 8, 9 and 10)	$141,565,410	$6,568,413	$148,133,823	$6,896,427	$155,030,250
12	Book Cost of Plant in Service and General Equipment	$91,400,592	$4,181,674	$95,582,266	$4,457,785	$100,040,051
13	Construction Work in Progress	737,955	39,172	777,127	35,416	812,543
14	Total (Lines 12 and 13)	92,138,547	4,220,846	96,359,393	4,493,201	100,852,594
15	Average for the year	87,909,388	4,027,109	91,936,497	4,286,963	96,223,460
16	Average Material and Supplies	212,898	9,740	222,638	10,384	233,022
17	Average Working Cash Capital	2,750,000	165,000	2,915,000	85,000	3,000,000
18	Total (Lines 15, 16 and 17)	$90,872,286	$4,201,849	$95,074,135	$4,382,347	$99,456,482
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.53%	9.23%	3.78%	8.49%	3.99%
21	(a) Present Rates based on Average Book Cost (Line 18)	5.50%	14.42%	5.89%	13.37%	6.22%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.46%	8.79%	2.74%	8.27%	2.99%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.83%	13.74%	4.27%	13.01%	4.66%

EXHIBIT A-54—Continued

[fol. 2901]

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1924

(Excluding all Overheads on Lands)

		Intrastate			Interstate	Total
		Exchange	Toll	Total	Toll	Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$5,597,314	$736,251	$6,333,565	$677,343	$7,010,908
3	(b). Rates in Suit	4,077,499	705,071	4,782,570	661,518	5,444,088
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$129,775,128	$6,437,957	$136,213,085	$7,105,853	$143,318,938
5	Construction Work in Progress	1,911,818	104,356	2,016,174	84,071	2,100,245
6	Going Value	21,295,230	1,046,925	22,342,155	1,157,845	23,500,000
7	Total (Lines 4, 5 and 6)	152,982,176	7,589,238	160,571,414	8,347,769	168,919,183
8	Average for the year	149,126,300	7,145,250	156,271,550	7,737,999	164,009,549
9	Average Material and Supplies	271,229	13,334	284,563	14,747	299,310
10	Average Working Cash Capital	2,880,000	180,000	3,060,000	90,000	3,150,000
11	Total (Lines 8, 9 and 10)	$152,277,529	$7,338,584	$159,616,113	$7,842,746	$167,458,859
12	Book Cost of Plant in Service and General Equipment	$100,574,767	$4,944,499	$105,519,266	$5,468,360	$110,987,626
13	Construction Work in Progress	1,911,818	104,356	2,016,174	84,071	2,100,245
14	Total (Lines 12 and 13)	102,486,585	5,048,855	107,535,440	5,552,431	113,087,871
15	Average for the year	97,312,566	4,634,851	101,947,417	5,022,816	106,970,233
16	Average Material and Supplies	271,229	13,334	284,563	14,747	299,310
17	Average Working Cash Capital	2,880,000	180,000	3,060,000	90,000	3,150,000
18	Total (Lines 15, 16 and 17)	$100,463,795	$4,828,185	$105,291,980	$5,127,563	$110,419,543
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.68%	10.03%	3.97%	8.64%	4.19%
21	(a) Present Rates based on Average Book Cost (Line 18)	5.57%	15.25%	6.02%	13.21%	6.35%
22	(b) Rates in Suit based on Average Reproduction Cost New less Depreciation, etc. (Line 11)	2.68%	9.61%	3.00%	8.43%	3.25%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	4.06%	14.60%	4.54%	12.90%	4.93%

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1925

(Excluding all Overheads on Lands)

		Intrastate			Interstate	Total
		Exchange	Toll	Total	Toll	Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$5,817,899	$943,163	$6,761,062	$782,153	$7,543,215
3	(b) Rates in Suit	4,269,749	908,752	5,178,501	764,228	5,942,729
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$141,870,113	$7,304,066	$149,174,179	$8,816,648	$157,990,827
5	Construction Work in Progress	1,256,041	66,004	1,322,045	68,251	1,390,296
6	Going Value	23,275,553	1,187,774	24,463,327	1,436,673	25,900,000
7	Total (Lines 4, 5 and 6)	166,401,707	8,557,844	174,959,551	10,321,572	185,281,123
8	Average for the Year	159,691,942	8,073,541	167,765,483	9,334,670	177,100,153
9	Average Material and Supplies	321,928	16,428	338,356	19,871	358,227
10	Average Working Cash Capital	3,025,000	200,000	3,225,000	100,000	3,325,000
11	Total (Lines 8, 9 and 10)	$163,038,870	$8,289,969	$171,328,839	$9,454,541	$180,783,380
12	Book Cost of Plant in Service and General Equipment	$113,675,884	$5,800,990	$119,476,874	$7,016,593	$126,493,467
13	Construction Work in Progress	1,256,041	66,004	1,322,045	68,251	1,390,296
14	Total (Lines 12 and 13)	114,931,925	5,866,994	120,798,919	7,084,844	127,883,763
15	Average for the year	108,709,255	5,457,925	114,167,180	6,318,637	120,485,817
16	Average Material and Supplies	321,928	16,428	338,356	19,871	358,227
17	Average Working Cash Capital	3,025,000	200,000	3,225,000	100,000	3,325,000
18	Total (Lines 15, 16 and 17)	$112,056,183	$5,674,353	$117,730,536	$6,438,508	$124,169,044
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.57%	11.38%	3.95%	8.27%	4.17%
21	(a) Present Rates based on Average Book Cost (Line 18)	5.19%	16.62%	5.74%	12.15%	6.07%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.62%	10.96%	3.02%	8.08%	3.29%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.81%	16.02%	4.40%	11.87%	4.79%

EXHIBIT A-54—Continued

[fol. 2903]

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1926

(Excluding All Overheads on Lands)

		Intrastate			Interstate	Total
		Exchange	Toll	Total	Toll	Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$5,821,921	$1,193,543	$7,015,464	$924,161	$7,939,625
3	(b) Rates in Suit	4,210,388	1,154,506	5,364,894	906,477	6,271,371
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	145,994,719	8,080,976	154,075,695	9,637,174	163,712,869
5	Construction Work in Progress	692,768	39,597	732,365	42,914	775,279
6	Going Value	23,963,088	1,315,650	25,277,738	1,571,262	26,850,000
7	Total (Lines 4, 5 and 6)	170,650,575	9,436,223	180,086,798	11,251,350	191,338,148
8	Average for the year	168,526,141	8,997,034	177,523,175	10,786,461	188,309,636
9	Average Material and Supplies	300,492	16,498	316,990	19,703	336,693
10	Average Working Cash Capital	3,200,000	240,000	3,440,000	110,000	3,550,000
11	Total (Lines 8, 9 and 10)	172,026,633	9,253,532	181,280,165	10,916,164	192,196,329
12	Book Cost of Plant in Service and General Equipment	125,764,569	6,904,876	132,669,445	8,246,395	140,915,840
13	Construction Work in Progress	692,768	39,597	732,365	42,914	775,279
14	Total (Lines 12 and 13)	126,457,337	6,944,473	133,401,810	8,289,309	141,691,119
15	Average for the year	120,694,631	6,405,734	127,100,365	7,687,077	134,787,441
16	Average Material and Supplies	300,492	16,498	316,990	19,703	336,693
17	Average Working Cash Capital	3,200,000	240,000	3,440,000	110,000	3,550,000
18	Total (Lines 15, 16 and 17)	$124,195,123	$6,662,232	130,857,355	$7,816,780	$138,674,134
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.38%	12.90%	3.87%	8.47%	4.13%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.69%	17.92%	5.36%	11.82%	5.73%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.45%	12.48%	2.96%	8.30%	3.26%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.39%	17.33%	4.10%	11.60%	4.52%

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1927

(Excluding All Overheads on Lands)

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$5,941,473	$1,335,775	$7,277,248	$1,060,120	$8,337,368
3	(b) Rates in Suit	4,306,111	1,294,060	5,600,171	1,041,467	6,641,638
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$155,514,363	$9,472,058	$164,986,421	$11,087,056	$176,073,477
5	Construction Work in Progress	4,831,588	330,832	5,162,420	274,639	5,437,059
6	Going Value	25,549,623	1,542,393	27,092,016	1,807,984	28,900,000
7	Total (Lines 4, 5 and 6)	185,895,574	11,345,283	197,240,857	13,169,679	210,410,536
8	Average for the year	178,273,075	10,390,753	188,663,828	12,210,514	200,874,342
9	Average Material and Supplies	288,736	17,431	306,167	20,432	326,599
10	Average Working Cash Capital	3,425,000	270,000	3,695,000	130,000	3,825,000
11	Total (Lines 8, 9 and 10)	$181,986,811	$10,678,184	$192,664,995	$12,360,946	$205,025,941
12	Book Cost of Plant in Service and General Equipment	$137,480,344	$8,299,485	$145,779,829	$9,728,608	$155,508,437
13	Construction Work in Progress	4,831,588	330,832	5,162,420	274,639	5,437,059
14	Total (Lines 12 and 13)	142,311,932	8,630,317	150,942,249	10,003,247	160,945,496
15	Average for the year	134,384,635	7,787,395	142,172,030	9,146,278	151,318,308
16	Average Material and Supplies	288,736	17,431	306,167	20,432	326,599
17	Average Working Cash Capital	3,425,000	270,000	3,695,000	130,000	3,825,000
18	Total (Lines 15, 16 and 17)	$138,098,371	$8,074,826	$146,173,197	$9,296,710	$155,469,907
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.26%	12.51%	3.78%	8.58%	4.07%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.30%	16.54%	4.98%	11.40%	5.36%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.37%	12.12%	2.91%	8.43%	3.24%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.12%	16.03%	3.83%	11.20%	4.27%

EXHIBIT A-54—Continued

[fol. 2905]

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1928

(Excluding All Overheads on Lands)

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$6,575,068	$1,526,664	$8,101,732	$1,168,479	$9,270,211
3	(b) Rates in Suit	4,906,854	1,481,577	6,388,431	1,147,670	7,536,101
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$161,625,326	$10,967,043	$172,592,369	$13,468,841	$186,061,210
5	Construction Work in Progress	2,610,813	155,479	2,766,292	509,464	3,275,756
6	Going Value	26,523,410	1,784,555	28,307,965	2,192,035	30,500,000
7	Total (Lines 4, 5 and 6)	$190,759,549	$12,907,077	$203,666,626	$16,170,340	$219,836,966
8	Average for the year	188,327,562	12,126,180	200,453,742	14,670,009	215,123,751
9	Average Material and Supplies	299,442	20,147	319,589	24,747	344,336
10	Average Working Cash Capital	3,550,000	290,000	3,840,000	210,000	4,050,000
11	Total (Lines 8, 9 and 10)	$192,177,004	$12,436,327	$204,613,331	$14,904,756	$219,518,087
12	Book Cost of Plant in Service and General Equipment	$147,305,648	$9,911,057	$157,216,705	$12,174,119	$169,390,824
13	Construction Work in Progress	2,610,813	155,479	2,766,292	509,464	3,275,756
14	Total (Lines 12 and 13)	$149,916,461	$10,066,536	$159,982,997	$12,683,583	$172,666,580
15	Average for the year	146,114,197	9,348,426	155,462,623	11,343,415	166,806,038
16	Average Material and Supplies	299,442	20,147	319,589	24,747	344,336
17	Average Working Cash Capital	3,550,000	290,000	3,840,000	210,000	4,050,000
18	Total (Lines 15, 16 and 17)	$149,963,639	$9,658,573	$159,622,212	$11,578,162	$171,200,374
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.42%	12.28%	3.96%	7.84%	4.22%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.38%	15.81%	5.08%	10.09%	5.41%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.55%	11.91%	3.12%	7.70%	3.43%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.27%	15.34%	4.00%	9.91%	4.40%

[fol. 2906]

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1929

(Excluding All Overheads on Lands)

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$8,634,254	$1,569,690	$10,203,944	$1,675,136	$11,879,080
3	(b) Rates in Suit	6,940,905	1,522,457	8,463,362	1,653,282	10,116,644
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$172,492,135	$13,449,752	$185,941,887	$16,710,154	$202,652,041
5	Construction Work in Progress	1,525,803	145,414	1,671,217	303,471	1,974,688
6	Going Value	28,155,600	2,172,060	30,327,660	2,672,340	33,000,200
7	Total (Lines 4, 5 and 6)	202,173,538	15,767,226	217,940,764	19,685,965	237,626,729
8	Average for the year	196,466,544	14,337,151	210,803,695	17,928,153	228,731,848
9	Average Material and Supplies	235,561	18,172	253,733	22,358	276,091
10	Average Working Cash Capital	3,635,000	340,000	3,975,000	525,000	4,500,000
11	Total (Lines 8, 9 and 10)	$200,337,105	$14,695,323	$215,032,428	$18,475,511	$233,507,939
12	Book Cost of Plant in Service and General Equipment	$155,843,431	$12,022,521	$167,865,952	$14,791,609	$182,657,561
13	Construction Work in Progress	1,525,803	145,414	1,671,217	303,471	1,974,688
14	Total (Lines 12 and 13)	157,369,234	12,167,935	169,537,169	15,095,080	184,632,249
15	Average for the year	153,642,848	11,117,235	164,760,083	13,889,332	178,649,415
16	Average Material and Supplies	235,561	18,172	253,733	22,358	276,091
17	Average Working Cash Capital	3,635,000	340,000	3,975,000	525,000	4,500,000
18	Total (Lines 15, 16 and 17)	$157,513,409	$11,475,407	$168,988,816	$14,436,690	$183,425,506
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	4.31%	10.68%	4.75%	9.07%	5.09%
21	(a) Present Rates based on Average Book Cost (Line 18)	5.48%	13.68%	6.04%	11.60%	6.48%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.46%	10.36%	3.94%	8.95%	4.33%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	4.41%	13.27%	5.01%	11.45%	5.52%

EXHIBIT A-54—Continued

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1930

(Excluding All Overheads on Lands)

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$7,806,051	$1,430,130	$9,236,181	$1,898,222	$11,134,403
3	(b) Rates in Suit	6,206,998	1,383,305	7,590,303	1,877,726	9,468,029
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$177,385,418	$14,468,017	$191,853,435	$19,258,060	$211,111,495
5	Construction Work in Progress	3,831,948	303,804	4,135,752	280,013	4,415,765
6	Going Value	28,981,312	2,338,856	31,320,168	3,079,832	34,400,000
7	Total (Lines 4, 5 and 6)	210,198,678	17,110,677	227,309,355	22,617,905	249,927,260
8	Average for the year	206,186,108	16,438,952	222,625,060	21,151,935	243,776,995
9	Average Material and Supplies	176,739	14,263	191,002	18,782	209,784
10	Average Working Cash Capital	3,690,000	360,000	4,050,000	500,000	4,550,000
11	Total (Lines 8, 9 and 10)	$210,052,847	$16,813,215	$226,866,062	$21,670,717	$248,536,779
12	Book Cost of Plant in Service and General Equipment	$161,154,768	$13,005,546	$174,160,314	$17,125,851	$191,286,165
13	Construction Work in Progress	3,831,948	303,804	4,135,752	280,013	4,415,765
14	Total (Lines 12 and 13)	164,986,716	13,309,350	178,296,066	17,405,864	195,701,930
15	Average for the year	161,177,975	12,738,643	173,916,618	16,250,472	190,167,090
16	Average Material and Supplies	176,739	14,263	191,002	18,782	209,784
17	Average Working Cash Capital	3,690,000	360,000	4,050,000	500,000	4,550,000
18	Total (Lines 15, 16 and 17)	$165,044,714	$13,112,906	$178,157,620	$16,769,254	$194,926,874
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.72%	8.51%	4.07%	8.76%	4.48%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.73%	10.91%	5.18%	11.32%	5.71%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.95%	8.23%	3.35%	8.66%	3.81%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.76%	10.55%	4.26%	11.20%	4.86%

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1931

(Excluding All Overheads on Lands)

		Intrastate			Interstate Toll	Total Chicago
		Exchange	Toll	Total		
1	Balance Available for Return under					
2	(a) Present Rates	$7,056,494	$1,097,164	$8,153,658	$1,728,595	$9,882,253
3	(b) Rates in Suit	5,660,327	1,059,587	6,719,914	1,711,475	8,431,389
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$175,653,454	$14,365,476	$190,018,930	$19,729,530	$209,748,460
5	Construction Work in Progress	136,008	27,763	163,771	278,185	441,956
6	Going Value	28,552,520	2,309,280	30,861,800	3,138,200	34,000,000
7	Total (Lines 4, 5 and 6)	204,341,982	16,702,519	221,044,501	23,145,915	244,190,416
8	Average for the year	207,270,330	16,906,598	224,176,928	22,881,910	247,058,838
9	Average Material and Supplies	188,474	15,244	203,718	20,715	224,433
10	Average Working Cash Capital	3,450,000	350,000	3,800,000	450,000	4,250,000
11	Total (Lines 8, 9 and 10)	$210,908,804	$17,271,842	$228,180,646	$23,352,625	$251,533,271
12	Book Cost of Plant in Service and General Equipment	$164,111,582	$13,273,070	$177,384,652	$18,037,461	$195,422,113
13	Construction Work in Progress	136,008	27,763	163,771	278,185	441,956
14	Total (Lines 12 and 13)	164,247,590	13,300,833	177,548,423	18,315,646	195,864,069
15	Average for the year	164,617,153	13,305,092	177,922,245	17,860,755	195,783,000
16	Average Material and Supplies	188,474	15,244	203,718	20,715	224,433
17	Average Working Cash Capital	3,450,000	350,000	3,800,000	450,000	4,250,000
18	Total (Lines 15, 16 and 17)	$168,255,627	$13,670,336	$181,925,963	$18,331,470	$200,257,433
19	Percent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.35%	6.35%	3.57%	7.40%	3.93%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.19%	8.03%	4.48%	9.43%	4.93%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.68%	6.13%	2.94%	7.33%	3.35%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.36%	7.75%	3.69%	9.34%	4.21%

[fol. 2909]

EXHIBIT A-55

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1923
(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Total Revenues	$34,404,326	$2,424,172	$36,828,498	$1,831,641	$38,660,139
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	22,313,543	1,350,179	23,663,722	696,151	24,359,873
Depreciation	5,387,638	253,603	5,641,241	322,942	5,964,183
Taxes	2,957,655	222,915	3,180,570	235,007	*3,415,577
Other Expenses and Deductions	218,827	41,043	259,870	37,958	297,828
Total Expenses	30,877,663	1,867,740	32,745,403	1,292,058	34,037,461
Balance	3,526,663	556,432	4,083,095	539,583	4,622,678
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	259,941	.....	259,941	.....	259,941
Balance Available for Return under present rates	3,786,604	556,432	4,343,036	539,583	4,882,619
Less reduction under rates in suit	1,512,859	28,809	1,541,668	15,572	1,557,240
Balance Available for Return under rates in suit	2,273,745	527,623	2,801,368	524,011	3,325,379
Per Cent of Return under					
(a) Present Rates based on Avg. Reproduction Cost New Less Depreciation, etc.	2.67%	8.45%	2.92%	7.79%	3.14%
(a) Present Rates based on Average Book Cost	4.17%	13.24%	4.57%	12.29%	4.91%
(b) Rates in Suit based on Avg. Reproduction Cost New Less Depreciation, etc.	1.60%	8.01%	1.89%	7.56%	2.14%
(b) Rates in Suit based on Average Book Cost	2.50%	12.55%	2.95%	11.93%	3.34%

* Represents actual taxes paid for the Year 1923 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $254,770 less than the total amount accrued on the books for all taxes during that year.

[fol. 2910] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1924

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Total Revenues	$36,561,362	$2,760,927	$39,322,289	$1,996,198	$41,318,487
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses:	23,229,086	1,488,726	24,717,812	734,675	25,452,487
Depreciation	6,063,100	295,840	6,358,940	384,398	6,743,338
Taxes	3,252,918	265,762	3,518,680	265,970	*3,784,650
Other Expenses and Deductions	278,992	62,289	341,281	51,287	392,568
Total Expenses	32,824,096	2,112,617	34,936,713	1,436,330	36,373,043
Balance	3,737,266	648,310	4,385,576	559,868	4,945,444
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	277,665	.....	277,665	.....	277,665
Balance Available for Return under present rates	4,014,931	648,310	4,663,241	559,868	5,223,109
Less reduction under rates in suit	1,519,815	31,180	1,550,995	15,825	1,566,820
Balance Available for Return under rates in suit	2,495,116	617,130	3,112,246	544,043	3,656,289
Per Cent of Return under					
(a) Present Rates based on Avg. Reproduction Cost New Less Depreciation, etc.	2.63%	8.81%	2.91%	7.10%	3.11%
(a) Present Rates based on Average Book Cost	4.00%	13.42%	4.43%	10.90%	4.73%
(b) Rates in Suit based on Avg. Reproduction Cost New Less Depreciation, etc.	1.63%	8.38%	1.94%	6.90%	2.18%
(b) Rates in Suit based on Average Book Cost	2.48%	12.78%	2.96%	10.59%	3.31%

* Represents actual taxes paid for the Year 1924 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $268,694 less than the total amount accrued on the books for all taxes during that year.

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EXHIBIT A-55—Continued

[fol. 2911] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1925

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Total Revenues	$38,955,695	$3,235,260	$42,190,955	$2,337,343	$44,528,298
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	24,278,286	1,618,706	25,896,992	795,468	26,692,460
Depreciation	6,425,369	317,632	6,743,001	488,637	7,231,638
Taxes	3,807,727	342,657	4,150,384	333,700	*4,484,084
Other Expenses and Deductions	362,059	85,295	447,354	58,600	505,954
Total Expenses	34,873,441	2,364,290	37,237,731	1,676,405	38,914,136
Balance	4,082,254	870,970	4,953,224	660,938	5,614,162
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	313,261	.....	313,261	.....	313,261
Balance Available for Return under present rates	4,395,515	870,970	5,266,485	660,938	5,927,423
Less reduction under rates in suit	1,548,150	34,411	1,582,561	17,925	1,600,486
Balance Available for Return under rates in suit	2,847,365	836,559	3,683,924	643,013	4,326,937
Per Cent of Return under					
(a) Present Rates based on Avg. Reproduction Cost New Less Depreciation, etc.	2.69%	10.47%	3.06%	6.96%	3.27%
(a) Present Rates based on Average Book Cost	3.92%	15.35%	4.47%	10.25%	4.77%
(b) Rates in Suit based on Avg. Reproduction Cost New Less Depreciation, etc.	1.74%	10.06%	2.14%	6.77%	2.39%
(b) Rates in Suit based on Average Book Cost	2.54%	14.74%	3.13%	9.97%	3.48%

* Represents actual taxes paid for the Year 1925 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $126,387 less than the total amount accrued on the books for all taxes during that year.

[fol. 2912] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1926

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Total Revenues	$41,852,401	$3,867,162	$45,719,563	$2,743,565	$48,463,128
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	26,004,955	1,896,378	27,901,333	890,285	28,791,618
Depreciation	6,833,505	355,907	7,189,412	573,456	7,762,868
Taxes	4,282,695	428,266	4,710,961	406,832	*5,117,793
Other Expenses and Deductions	265,384	64,299	329,683	56,431	386,114
Total Expenses	37,386,539	2,744,850	40,131,389	1,927,004	42,058,393
Balance	4,465,862	1,122,312	5,588,174	816,561	6,404,735
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	174,858	.....	174,858	.....	174,858
Balance Available for Return under present rates	4,640,720	1,122,312	5,763,032	816,561	6,579,593
Less reduction under rates in suit	1,611,533	39,037	1,650,570	17,684	1,668,254
Balance Available for Return under rates in suit	3,029,187	1,083,275	4,112,462	798,877	4,911,339
Per Cent of Return under					
(a) Present Rates based on Avg. Reproduction Cost New Less Depreciation, etc.	2.69%	12.09%	3.17%	7.45%	3.41%
(a) Present Rates based on Average Book Cost	3.74%	16.84%	4.40%	10.43%	4.74%
(b) Rates in Suit based on Avg. Reproduction Cost New Less Depreciation, etc.	1.76%	11.67%	2.26%	7.28%	2.55%
(b) Rates in Suit based on Average Book Cost	2.44%	16.26%	3.14%	10.21%	3.54%

* Represents actual taxes paid for the Year 1926 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $228,606 less than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-55—Continued

[fol. 2913] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1927

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Total Revenues	$44,617,047	$4,378,822	$48,995,869	$3,148,991	$52,144,860
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	27,670,022	2,135,529	29,805,551	1,007,058	30,812,609
Depreciation	7,176,523	401,953	7,578,476	647,979	8,226,455
Taxes	4,631,544	479,173	5,110,717	468,303	*5,579,020
Other Expenses and Deductions	372,998	96,209	469,207	76,114	545,321
Total Expenses	39,851,087	3,112,864	42,963,951	2,199,454	45,163,405
Balance	4,765,960	1,265,958	6,031,918	949,537	6,981,455
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	144,041	.....	144,041	.....	144,041
Balance Available for Return under present rates	4,910,001	1,265,958	6,175,959	949,537	7,125,496
Less reduction under rates in suit	1,635,362	41,715	1,677,077	18,653	1,695,730
Balance Available for Return under rates in suit	$3,274,639	$1,224,243	$4,498,882	$930,884	$5,429,766
Per Cent of Return under					
(a) Present Rates based on Avg. Reproduction Cost New Less Depreciation, etc.	2.69%	11.81%	3.19%	7.64%	3.46%
(a) Present Rates based on Average Book Cost	3.56%	15.67%	4.23%	10.19%	4.58%
(b) Rates in Suit based on Avg. Reproduction Cost New Less Depreciation, etc.	1.79%	11.42%	2.33%	7.49%	2.64%
(b) Rates in Suit based on Average Book Cost	2.37%	15.16%	3.08%	9.99%	3.49%

* Represents actual taxes paid for the Year 1927 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $488,678 less than the total amount accrued on the books for all taxes during that year.

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1928

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Total Revenues	$48,453,856	$5,013,414	$53,467,270	$4,248,800	$57,716,070
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	29,644,011	2,410,334	32,054,345	1,760,904	33,815,249
Depreciation	7,498,008	462,009	7,960,017	756,842	8,716,859
Taxes	5,250,288	540,272	5,790,560	552,639	*6,343,199
Other Expenses and Deductions	459,037	144,453	603,490	109,994	713,484
Total Expenses	42,851,344	3,557,068	46,408,412	3,180,379	49,588,791
Balance	5,602,512	1,456,346	7,058,858	1,068,421	8,127,279
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	188,016	.....	188,016	.....	188,016
Balance Available for Return under present rates	5,790,528	1,456,346	7,246,874	1,068,421	8,315,295
Less reduction under rates in suit	1,668,214	45,087	1,713,301	20,809	1,734,110
Balance Available for Return under rates in suit	4,122,314	1,411,259	5,533,573	1,047,612	6,581,185
Per Cent of Return under					
(a) Present Rates based on Avg. Reproduction Cost New Less Depreciation, etc.	3.00%	11.66%	3.53%	7.12%	3.77%
(a) Present Rates based on Average Book Cost	3.86%	15.07%	4.54%	9.20%	4.86%
(b) Rates in Suit based on Avg. Reproduction Cost New Less Depreciation, etc.	2.14%	11.30%	2.69%	6.98%	2.99%
(b) Rates in Suit based on Average Book Cost	2.75%	14.60%	3.47%	9.02%	3.84%

* Represents actual taxes paid for the Year 1928 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $292,253 less than the total amount accrued on the books for all taxes during that year.

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EXHIBIT A-55—Continued

[fol. 2915] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1929

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Total Revenues	$52,448,626	$5,583,287	$58,031,913	$7,634,313	$65,666,226
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	30,569,340	2,818,313	33,387,653	4,384,583	37,772,236
Depreciation	7,576,113	550,616	8,126,729	874,176	9,000,905
Taxes	6,038,438	606,652	6,645,090	725,564	*7,370,654
Other Expenses and Deductions	391,644	127,495	519,139	134,652	653,791
Total Expenses	44,575,535	4,103,076	48,678,611	6,118,975	54,797,586
Balance	7,873,091	1,480,211	9,353,302	1,515,338	10,868,640
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	217,842	.....	217,842	.....	217,842
Balance Available for Return under present rates	8,090,933	1,480,211	9,571,144	1,515,338	11,086,482
Less reduction under rates in suit	1,693,349	47,233	1,740,582	21,854	1,762,436
Balance Available for Return under rates in suit	$6,397,584	$1,432,978	$7,830,562	$1,493,484	$9,324,046
Per Cent of Return under					
(a) Present Rates based on: Avg. Reproduction Cost New Less Depreciation, etc.	4.03%	10.03%	4.44%	8.14%	4.73%
(a) Present Rates based on: Average Book Cost	5.14%	12.89%	5.67%	10.46%	6.04%
(b) Rates in Suit based on: Avg. Reproduction Cost New Less Depreciation, etc	3.18%	9.71%	3.63%	8.03%	3.98%
(b) Rates in Suit based on: Average Book Cost	4.06%	12.48%	4.64%	10.31%	5.08%

* Represents actual taxes paid for the Year 1929 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $588,857 less than the total amount accrued on the books for all taxes during that year.

[fol. 2916] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1930

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Total Revenues	$52,710,944	$5,752,810	$58,463,754	$7,986,725	$66,450,479
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	30,872,190	2,995,754	33,867,944	4,175,993	38,043,937
Depreciation	7,936,822	623,776	8,560,598	1,078,211	9,638,809
Taxes	6,444,386	666,326	7,110,712	876,752	#7,987,464
Other Expenses and Deductions	416,860	123,048	539,908	100,340	640,248
Total Expenses	45,670,258	4,408,904	50,079,162	6,231,296	56,310,458
Balance	7,040,686	1,343,906	8,384,592	1,755,429	10,140,021
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	221,691	.....	221,691	.....	221,691
Balance Available for Return under present rates	7,262,377	1,343,906	8,606,283	1,755,429	10,361,712
Less reduction under rates in suit	1,599,053	46,825	1,645,878	20,496	1,666,374
Balance Available for Return under rates in suit	$5,663,324	$1,297,081	$6,960,405	$1,734,933	$8,695,338
Per Cent of Return under					
(a) Present Rates based on Avg. Reproduction Cost New Less Depreciation, etc.	3.45%	7.96%	3.78%	8.05%	4.15%
(a) Present Rates based on Average Book Cost	4.40%	10.24%	4.83%	10.43%	5.32%
(b) Rates in Suit based on Avg. Reproduction Cost New Less Depreciation, etc.	2.69%	7.68%	3.06%	7.95%	3.49%
(b) Rates in Suit based on Average Book Cost	3.43%	9.88%	3.91%	10.31%	4.46%

Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year 1930 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $44,025 more than the total amount accrued on the books for all taxes during that year.

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EXHIBIT A-55—Continued

[fol. 2917] Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1931

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Total Revenues	$50,887,881	$5,366,875	$56,254,756	$7,535,843	$63,790,599
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	28,872,149	2,885,913	31,758,062	3,698,920	35,456,982
Depreciation	8,251,465	661,778	8,913,243	1,188,291	10,101,534
Taxes	7,054,330	682,249	7,736,579	961,152	*8,697,731
Other Expenses and Deductions	506,786	127,315	634,101	103,553	737,654
Total Expenses	44,684,730	4,357,255	49,041,985	5,951,916	54,993,901
Balance	6,203,151	1,009,620	7,212,771	1,583,927	8,796,698
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	236,661	.....	236,661	.....	236,661
Balance Available for Return under present rates	6,439,812	1,009,620	7,449,432	1,583,927	9,033,359
Less reduction under rates in suit	1,396,167	37,577	1,433,744	17,120	1,450,864
Balance Available for Return under rates in suit	5,043,645	972,043	6,015,688	1,566,807	7,582,495
Per Cent of Return under					
(a) Present Rates based on: Avg. Reproduction Cost New Less Depreciation, etc.	3.04%	5.82%	3.25%	6.74%	3.58%
(a) Present Rates based on: Average Book Cost	3.83%	7.38%	4.10%	8.61%	4.51%
(b) Rates in Suit based on: Avg. Reproduction Cost New Less Depreciation, etc.	2.38%	5.60%	2.63%	6.66%	3.00%
(b) Rates in Suit based on: Average Book Cost	3.00%	7.10%	3.31%	8.52%	3.79%

* Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year 1931 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $443,970 more than the total amount accrued on the books for all taxes during that period.

[fol. 2918] EXHIBIT A-56

Illinois Bell Telephone Company, Chicago Exchange

Company Stations

	Net Increase	No. in Service End of Period
Year 1923	52,851	691,545
" 1924	50,391	741,936
" 1925	48,828	790,764
" 1926	57,306	848,070
" 1927	55,390	903,460
" 1928	38,555	942,015
" 1929	45,876	987,891
" 1930	6,566*	981,325
Jan.-June 1931	19,015*	962,310

* Decrease.

[fol. 2919]

Illinois Bell Telephone Company, Chicago Exchange

Company Stations

	Net Decrease During Period	No. in Service End of Period
Year 1931	41,844	939,481

(Here follows Exhibit A-57, side folios 2920 and 2921)

[fol. 2920]

EXHIBIT A-57

Illinois Bell Telephone Company, Chicago Exchange

Annual Gross Additions, Displacements, and Net Additions to Plant in Service and General Equipment

	1923			1924			1925			
	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions	Gross Additions
Exchange Right of Way (207-01)	$23,662	$337	$23,325	$13,838	$206	$13,632	$16,853	$290	$16,563	$18,
Toll Right of Way (207-02)	.....	1	1*	10	6	4	.....	28*	28	1,
Total	23,662	338	23,324	13,848	212	13,636	16,853	262	16,591	17,
Land (211)	336,031	.....	336,031	6,789	9,425	2,636*	84,949	14,384	70,565	368,
Buildings (212)	349,301	38,367	310,934	1,199,309	129,504	1,069,805	489,331	30,877	458,454	474,
Total Land and Bldgs.	685,332	38,367	646,965	1,206,098	138,929	1,067,169	574,280	45,261	529,019	837,
C. O. Telephone Equipment (221)	8,404,804	483,441	7,921,363	2,931,083	546,616	2,384,467	6,390,640	410,316	5,980,324	5,511,
Other Equipment of C. O. (222)	102,500	41,793	60,707	148,454	53,896	94,558	178,819	74,799	104,020	266,
Total C. O. Equipment	8,507,304	525,234	7,982,070	3,079,537	600,512	2,479,025	6,569,459	485,115	6,084,344	5,778,
Station Apparatus (231)	2,262,763	1,184,968	1,077,795	2,573,514	1,415,776	1,157,738	2,945,003	1,905,584	1,039,419	3,113,
Station Installations (232)	1,362,369	668,741	693,628	1,475,256	806,956	668,300	1,544,452	1,041,186	503,266	1,696,
Interior Block Wires (233)	25	.....	25	26,260	3,948	22,312	16,080	7,918	8,162	21,
Private Branch Exchange (234)	1,194,347	600,253	594,094	1,505,454	735,316	770,138	1,899,632	849,660	1,049,972	1,705,
Booths and Special Fittings (235)	46,909	31,532	15,377	92,336	20,241	72,095	92,940	21,053	71,896	83,
Total Station Equipment	4,866,413	2,485,494	2,380,919	5,672,820	2,982,237	2,690,583	6,498,116	3,825,401	2,672,715	6,614,
Exchange Pole Lines (241)	311,396	62,071	249,325	249,838	62,864	186,974	266,743	73,049	193,694	235,
" Aerial Cable (242)	353,510	118,335	235,175	587,563	162,198	425,365	831,493	213,042	618,451	811,
" " Wire (243)	450,023	121,574	328,449	477,021	217,489	259,532	522,833	236,680	286,153	612,
" Underground Conduit (244)	724,582	25,221	699,361	640,100	19,707	620,393	1,380,375	47,495	1,332,880	1,599,
" " Cable (245)	2,162,176	347,741	1,814,435	3,048,798	430,031	2,618,767	3,919,410	738,331	3,181,079	3,621,
" Submarine Cable (246)	145	.....	145	5,333	.....	5,333	1,175	.....	1,175	.....
Total Exchange Lines	4,001,832	674,942	3,326,890	5,008,653	892,289	4,116,364	6,922,029	1,308,597	5,613,432	6,880,
Toll Pole Lines (251)	59,667*	1,089	60,756*	1,791	1,300	491	1,417	8,346	6,929*	5,
" Aerial Cable (252)	10,263*	.....	10,263*	9	1,758	1,749*	33	.....	33	5,
" " Wire (253)	74,199*	23	74,222*	838	198	640	364	17,558	17,194*	3,
" Underground Conduit (254)	88,669*	.....	88,669*	207	.....	207	12,054	1,423	10,631	496,
" " Cable (255)	60,377*	4,745	65,122*	209,489	9,495	199,994	237,087	11,040	226,047*	655,
" Submarine " (256)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Toll Lines	293,175*	5,857	299,032*	212,334	12,751	199,583	250,955	38,367	212,588	162,
Interest During Construction (268)	157,392	.....	157,392	65,600	.....	65,600	174,948	.....	174,948	108,
Undistributed Construction Expenditures (270)	16,809	.....	16,809	34,162	.....	34,162	49,176	11,736	37,440	5,
Total Plant in Service	$17,965,569	$3,730,232	$14,235,337	$15,293,052	$4,626,930	$10,666,122	$21,055,816	$5,714,739	$15,341,077	$20,406,
Office Furniture and Fixtures (261)	138,908	33,475	105,433	150,573	47,042	103,531	99,450	23,513	75,937	146,
General Store Equipment (263)	5,572	3,416	2,156	2,269	595	1,674	1,230	935	295	
" Stable and Garage Equipment (264)	152,907	80,922	71,985	84,334	62,646	21,688	61,711	49,028	12,683	129,
" Tools and Implements (265)	172,683	129,991	42,692	213,129	163,937	49,192	223,975	148,126	75,849	242,
Total Plant in Service and General Equipment	$18,435,639	$3,978,036	$14,457,603	$15,743,357	$4,901,150	$10,842,207	$21,442,182	$5,936,341	$15,505,841	$20,924,

* Red.

Exhibit A-57

Illinois Bell Telephone Company, Chicago Exchange

Annual Gross Additions, Displacements, and Net Additions to Plant in Service and General Equipment

	1923			1924			1925			1926		
	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions
.....	$23,662	$337	$23,325	$13,838	$206	$13,632	$16,853	$290	$16,563	$16,763	$252	$16,511
.....	.....	1	1*	10	6	4	.....	28*	28	1,228	.....	1,228
.....	23,662	338	23,324	13,848	212	13,636	16,853	262	16,591	17,991	252	17,739
.....	336,031	.....	336,031	6,789	9,425	2,636*	84,949	14,384	70,565	363,045	.....	363,045
.....	349,301	38,367	310,934	1,199,309	129,504	1,069,805	489,331	30,877	458,454	474,755	139,528	335,227
.....	685,332	38,367	646,965	1,206,098	138,929	1,067,169	574,280	45,261	529,019	837,800	139,528	698,272
.....	8,404,804	483,441	7,921,363	2,931,083	546,616	2,384,467	6,390,640	410,316	5,980,324	5,511,905	212,682	5,299,223
.....	102,500	41,793	60,707	148,454	53,896	94,558	178,819	74,799	104,020	266,894	54,751	212,143
.....	8,507,304	525,234	7,982,070	3,079,537	600,512	2,479,025	6,569,459	485,115	6,084,344	5,778,799	267,433	5,511,366
.....	2,262,763	1,184,968	1,077,795	2,573,514	1,415,776	1,157,738	2,945,003	1,905,584	1,039,419	3,113,065	2,148,508	964,557
.....	1,362,369	668,741	693,628	1,475,256	806,956	668,300	1,544,452	1,041,186	503,266	1,690,858	1,115,888	574,970
.....	25	.....	25	26,260	3,948	22,312	16,080	7,918	8,162	21,597	6,137	15,460
.....	1,194,347	600,253	594,094	1,505,454	735,316	770,138	1,899,632	849,660	1,049,972	1,705,109	891,346	813,763
.....	46,909	31,532	15,377	92,336	20,241	72,095	92,949	21,053	71,896	83,772	32,320	51,452
.....	4,866,413	2,485,494	2,380,919	5,672,820	2,982,237	2,690,583	6,498,116	3,825,401	2,672,715	6,614,401	4,194,199	2,420,202
.....	311,396	62,071	249,325	249,838	62,864	186,974	266,743	73,049	193,694	235,352	68,073	167,279
.....	353,510	118,335	235,175	587,563	162,198	425,365	831,493	213,042	618,451	811,933	236,339	575,594
.....	450,023	121,574	328,449	477,021	217,489	259,532	522,833	236,680	286,153	612,536	351,828	260,708
.....	724,582	25,221	699,361	640,100	19,707	620,393	1,380,375	47,495	1,332,880	1,599,102	54,346	1,544,756
.....	2,162,176	347,741	1,814,435	3,048,798	430,031	2,618,767	3,919,410	738,331	3,181,079	3,621,972	784,961	2,837,011
.....	145	.....	145	5,333	.....	5,333	1,175	.....	1,175	.....	.....	.....
.....	4,001,832	674,942	3,326,890	5,008,653	892,289	4,116,364	6,922,029	1,308,597	5,613,432	6,880,895	1,495,547	5,385,348
.....	59,667*	1,089	60,756*	1,791	1,300	491	1,417	8,346	6,929*	5,491	13,326	7,835*
.....	10,263*	.....	10,263*	9	1,758	1,749*	33	.....	33	5,942*	.....	5,942*
.....	74,199*	23	74,222*	838	198	640	364	17,558	17,194*	3,550	24,586	21,036*
.....	88,669*	.....	88,669*	207	.....	207	12,054	1,423	10,631	496,926*	.....	496,926*
.....	60,377*	4,745	65,122*	209,489	9,495	199,994	237,087	11,040	226,047	655,869	33,374	622,495
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	293,175*	5,857	299,032*	212,334	12,751	199,583	250,955	38,367	212,588	162,042	71,286	90,756
.....	157,392	.....	157,392	65,600	.....	65,600	174,948	.....	174,948	108,433	.....	108,433
70)	16,809	.....	16,809	34,162	.....	34,162	49,176	11,736	37,440	5,941	12,234	6,293*
.....	$17,965,569	$3,730,232	$14,235,337	$15,293,052	$4,626,930	$10,666,122	$21,055,816	$5,714,739	$15,341,077	$20,406,302	$6,180,479	$14,225,823
.....	138,908	33,475	105,433	150,573	47,042	103,531	99,450	23,513	75,937	146,233	86,444	59,789
.....	5,572	3,416	2,156	2,269	595	1,674	1,230	935	295	846	341	505
)	152,907	80,922	71,985	84,334	62,646	21,688	61,711	49,028	12,683	129,032	57,585	71,447
.....	172,683	129,991	42,692	213,129	163,937	49,192	223,975	148,126	75,849	242,285	177,476	64,809
quipment ..	$18,435,639	$3,978,036	$14,457,603	$15,743,357	$4,901,150	$10,842,207	$21,442,182	$5,936,341	$15,505,841	$20,924,698	$6,502,325	$14,422,373

fol. 2921]

Illinois Bell Telephone Company, Chicago Exchange

Annual Gross Additions, Displacements, and Net Additions to Plant in Service and General Equipment

	1927			1928			1929			
	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions	Gross Additions
Exchange Right of Way (207-01)	$17,923	$283	$17,640	$25,874	$1,524	$24,350	$24,437	$1,491	$22,946	$24,364
Toll Right of Way (207-02)	.....	.....	.....	2,127*	79	2,206*	17	.....	17	52
Total	17,923	283	17,640	23,747	1,603	22,144	24,454	1,491	22,963	24,416
Land (211)	145,649	2,443	143,206	259,809*	36,924	296,733*	247,246	33,851	213,395	16,275
Buildings (212)	638,968	241,392	397,576	1,276,009	96,444	1,179,565	717,519	236,272	481,247	1,435,507
Total Land and Bldgs.	784,617	243,835	540,782	1,016,200	133,368	882,832	964,765	270,123	694,642	1,451,782
C. O. Telephone Equipment (221)	3,916,229	548,847	3,367,382	7,216,617	818,367	6,398,250	8,607,524	4,552,317	4,055,207	3,793,335
Other Equipment of C. O. (222)	184,148	153,897	30,251	269,792	61,740	208,052	314,217	113,591	200,626	246,382
Total C. O. Equipment	4,100,377	702,744	3,397,633	7,486,409	880,107	6,606,302	8,921,741	4,665,908	4,255,833	4,039,717
Station Apparatus (231)	5,893,658	2,396,145	3,497,513	5,260,510	4,126,570	1,133,940	5,182,765	4,431,767	750,998	4,445,243
Station Installations (232)	1,600,836	1,259,017	341,819	1,865,563	1,400,489	465,074	2,030,988	1,470,696	560,292	1,706,889
Interior Block Wires (233)	25,331	3,353	21,978	29,747	6,175	23,572	41,882	21,389	20,493	45,549
Private Branch Exchanges (234)	2,048,540	971,921	1,076,619	2,248,183	1,402,987	845,196	2,496,584	1,713,497	783,087	2,138,790
Booths and Special Fittings (235)	99,095	26,273	72,822	96,663	32,159	64,504	251,228	83,052	168,176	420,722
Total Station Equipment	9,667,460	4,656,709	5,010,751	9,500,666	6,968,380	2,532,286	10,003,447	7,720,401	2,283,046	8,757,193
Exchange Pole Lines (241)	270,799	86,132	184,667	221,859	176,602	45,257	262,081	135,047	127,034	245,104
" Aerial Cable (242)	735,708	307,279	428,429	697,065	377,918	319,147	570,232	302,102	268,130	550,846
" " Wire (243)	532,028	328,946	203,082	487,469	338,282	149,187	558,603	263,318	295,285	509,462
" Underground Conduit (244)	1,169,898	75,605	1,094,293	836,077	49,801	786,276	1,251,597	15,030	1,236,567	1,045,421
" " Cable (245)	4,045,389	851,218	3,194,171	3,262,073	1,131,973	2,130,100	2,204,848	666,789	1,538,059	2,685,403
" Submarine Cable (246)	718	.....	718	685*	.....	685*	6,560	333	6,227	231*
Total Exchange Lines	6,754,540	1,649,180	5,105,360	5,503,858	2,074,576	3,429,282	4,853,921	1,382,619	3,471,302	5,036,005
Toll Pole Lines (251)	7,799*	9,536	17,335*	3,238	7,549	4,311*	2,056	12,473	10,417*	4,376
" Aerial Cable (252)	3,641	.....	3,641	119	.....	119	19,909	311	19,598	760
" " Wire (253)	638	12,208	11,570*	6,848	5,733	1,115	2,159	12,714	10,555*	754
" Underground Conduit (254)	25,074	326	24,748	3,594	249	3,345	393,933	245	393,688	74,146
" " Cable (255)	386,679	18,213	368,466	549,582	67,488	482,094	954,307	64,972	889,335	837,384
" Submarine " (256)	.....	.....	.....	573	.....	573	6,272	.....	6,272	376*
Total Toll Lines	408,233	40,283	367,950	563,954	81,019	482,935	1,378,636	90,715	1,287,921	917,044
Interest During Construction (268)	90,248	9,193	81,055	315,818	15,592	300,226	284,690	48,004	236,686	128,967
Undistributed Construction Expenditures (270)	25,987	4,291	21,696	26,237*	16,434	42,671*	11,975*	368	12,343*	1,042*
Total Plant in Service	$21,849,385	$7,306,518	$14,542,867	$24,384,415	$10,171,079	$14,213,336	$26,419,679	$14,179,629	$12,240,050	$20,354,082
Office Furniture and Fixtures (261)	289,867	58,218	231,649	299,595	92,099	207,496	320,215	82,060	238,155	281,567
General Store Equipment (263)	858	183	675	29,671	2,117	27,554	9,213	2,906	6,307	1,709
" Stable and Garage Equipment (264)	120,843	62,148	58,695	141,450	118,707	22,743	179,929	157,229	22,700	55,711
" Tools and Implements (265)	206,055	202,545	3,510	322,666	298,041	24,625	195,416	294,057	98,641*	191,149
Total Plant in Service and General Equipment	$22,467,008	$7,629,612	$14,837,396	$25,177,797	$10,682,043	$14,495,754	$27,124,452	$14,715,881	$12,408,571	$20,884,218

*Red.

Illinois Bell Telephone Company, Chicago Exchange

Annual Gross Additions, Displacements, and Net Additions to Plant in Service and General Equipment

1927			1928			1929			1930		
Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions	Gross Additions	Displacements	Net Additions
$17,923	$283	$17,640	$25,874	$1,524	$24,350	$24,437	$1,491	$22,946	$24,364	$2,304	$22,060
.....	.....	.....	2,127*	79	2,206*	17	.....	17	52	.....	52
17,923	283	17,640	23,747	1,603	22,144	24,454	1,491	22,963	24,416	2,304	22,112
145,649	2,443	143,206	259,809*	36,924	296,733*	247,246	33,851	213,395	16,275	.....	16,275
638,968	241,392	397,576	1,276,009	96,444	1,179,565	717,519	236,272	481,247	1,435,507	58,869	1,376,638
784,617	243,835	540,782	1,016,200	133,368	882,832	964,765	270,123	694,642	1,451,782	58,869	1,392,913
3,916,229	548,847	3,367,382	7,216,617	818,367	6,398,250	8,607,524	4,552,317	4,055,207	3,793,335	1,385,708	2,407,627
184,148	153,897	30,251	269,792	61,740	208,052	314,217	113,591	200,626	246,382	335,014	88,632*
4,100,377	702,744	3,397,633	7,486,409	880,107	6,606,302	8,921,741	4,665,908	4,255,833	4,039,717	1,720,722	2,318,995
5,893,658	2,396,145	3,497,515	5,260,510	4,126,570	1,133,940	5,182,765	4,431,767	750,998	4,445,243	4,855,098	409,855*
1,600,836	1,259,017	341,819	1,865,563	1,400,489	465,074	2,030,988	1,470,696	560,292	1,706,889	1,705,525	1,364
25,331	3,353	21,978	29,747	6,175	23,572	41,882	21,389	20,493	45,549	18,543	27,006
2,048,540	971,921	1,076,619	2,248,183	1,402,987	845,196	2,496,584	1,713,497	783,087	2,138,790	1,606,921	531,869
99,095	26,273	72,822	96,663	32,159	64,504	251,228	83,052	168,176	420,722	120,812	299,910
9,667,468	4,656,709	5,010,751	9,500,666	6,968,380	2,532,286	10,003,447	7,720,401	2,283,046	8,757,193	8,306,899	450,294
270,799	86,132	184,667	221,859	176,602	45,257	262,081	135,047	127,034	245,104	171,628	73,476
735,708	307,279	428,429	697,065	377,918	319,147	570,232	302,102	268,130	550,846	332,291	218,555
532,028	328,946	203,082	487,469	338,282	149,187	558,603	263,318	295,285	509,462	317,537	191,925
1,169,898	75,605	1,094,293	836,077	49,801	786,276	1,251,597	15,030	1,236,567	1,045,421	49,925	995,496
4,045,389	851,218	3,194,171	3,262,073	1,131,973	2,130,100	2,204,848	666,789	1,538,059	2,685,403	816,246	1,869,157
718	.....	718	685*	.....	685*	6,560	333	6,227	231*	299	530*
6,754,540	1,649,180	5,105,360	5,503,858	2,074,576	3,429,282	4,853,921	1,382,619	3,471,302	5,036,005	1,687,926	3,348,079
7,799*	9,536	17,335*	3,238	7,549	4,311*	2,056	12,473	10,417*	4,376	1,468	2,908
3,641	.....	3,641	119	.....	119	19,909	311	19,598	760	364	396
638	12,208	11,570*	6,848	5,733	1,115	2,159	12,714	10,555*	754	3,627*	4,381
25,074	326	24,748	3,594	249	3,345	393,933	245	393,688	74,146	21	74,125
386,679	18,213	368,466	549,582	67,488	482,094	954,307	64,972	889,335	837,384	31,411	805,973
.....	.....	.....	573	.....	573	6,272	.....	6,272	376*	.....	376*
408,233	40,283	367,950	563,954	81,019	482,935	1,378,636	90,715	1,287,921	917,044	29,637	887,407
90,248	9,193	81,055	315,818	15,592	300,226	284,690	48,004	236,686	128,967	27,076	101,891
25,987	4,291	21,696	26,237*	16,434	42,671*	11,975*	368	12,343*	1,042*	.....	1,042*
21,849,385	$7,306,518	$14,542,867	$24,384,415	$10,171,079	$14,213,336	$26,419,679	$14,179,629	$12,240,050	$20,354,082	$11,833,433	$8,520,649
289,867	58,218	231,649	299,595	92,099	207,496	320,215	82,060	238,155	281,567	140,014	141,553
858	183	675	29,671	2,117	27,554	9,213	2,906	6,307	1,709	530	1,179
120,843	62,148	58,695	141,450	118,707	22,743	179,929	157,229	22,700	55,711	78,838	23,127*
206,055	202,545	3,510	322,666	298,041	24,625	195,416	294,057	98,641*	191,149	202,798	11,649*
22,467,008	$7,629,612	$14,837,396	$25,177,797	$10,682,043	$14,495,754	$27,124,452	$14,715,881	$12,408,571	$20,884,218	$12,255,613	$8,628,605

[fol. 2922] Illinois Bell Telephone Company, Chicago Exchange

Gross Additions, Displacements, and Net Additions to Plant in Service and General Equipment, Year 1931

	Gross Additions	Displacements	
Exchange Right of Way (207-01)	$23,913	$1,338	
Toll Right of Way (207-02)	.....	.....	.....
Total	23,913	1,338	
Land (211)	201,928	24,493	177
Buildings (212)	70,669	92,685	22,01
Total Land and Bldgs.	272,597	117,178	155,419
C. O. Telephone Equipment (221)	4,953,884	2,235,574	2,718,310
Other Equipment of C. O. (222)	59,039	134,446	75,407*
Total C. O. Equipment	5,012,923	2,370,020	2,642,903
Station Apparatus (231)	4,694,615	5,143,412	448,797*
Station Installations (232)	1,553,798	1,730,763	176,965*
Interior Block Wires (233)	51,434	12,290	39,144
Private Branch Exchanges (234)	1,522,419	1,570,482	48,063*
Booths and Special Fittings (235)	430,905	166,289	264,616
Total Station Equipment	8,253,171	8,623,236	370,065*
Exchange Pole Lines (241)	173,284	121,216	52,068
" Aerial Cable (242)	242,521	203,573	38,768
" " Wire (243)	494,097	306,592	187,505
" Underground Conduit (244)	685,119	22,532	662,587
" " Cable (245)	1,281,975	719,233	562,742
" Submarine Cable (246)	41,295	.....	41,295
Total Exchange Lines	2,918,291	1,373,326	1,544,965
Toll Pole Lines (251)	1,696	4,129	2,433*
" Aerial Cable (252)	21	.....	21
" " Wire (253)	29,975*	4,195	34,170*
" Underground Conduit (254)	.....	.....	.....
" " Cable (255)	201,459	80,123	121,336
" Submarine Cable (256)	.....	.....	.....
Total Toll Lines	173,201	88,447	84,754
Int[illegible] During Construction (268)	154,867	35,295	119,572
Undistributed Construction Expenditures (270)	2,937	4,082	1,145*
Total Plant in Service	$16,811,900	$12,612,922	$4,198,978
Office Furniture and Fixtures (261)	111,229	46,508	64,721
General Store Equipment (263)	370	2,401	2,031*
" Stable and Garage Equipment (264)	65,390	122,541	57,151*
" Tools and Implements (265)	119,368	187,937	68,569*
Total Plant in Service and General Equipment	$17,108,257	$12,972,309	$4,135,948

*Red.

(Here follows Exhibit A-58, side folios 2923 and 2924)

[fol. 2923]

EXHIBIT A-58

Illinois Bell Telephone Company

Plant and General Equipment Accounts for the Chicago and State Areas as of the end of Each Year from 1923 to 1926, Inclusive

		December 31, 1923		December 31, 1924		December 31, 1925		December 31, 1926	
		Chicago Area	State Area	Chicago Area	State Area	Chicago Area	State Area	Chicago Area	State Area
207-01	Exchange Right of Way	$260,043	$184,051	$273,675	$207,198	$290,238	$229,713	$306,748	$268,170
207-02	Toll Right of Way	1,661	147,996	1,665	148,481	1,693	172,913	2,921	185,988
	Total Right of Way	261,704	332,047	275,340	355,679	291,931	402,626	309,669	454,158
211	Land	1,685,671	483,217	1,683,035	495,014	1,753,600	493,562	2,116,644	490,732
212	Buildings	9,423,101	1,554,171	10,492,906	1,704,841	10,951,361	2,547,551	11,286,589	2,681,432
	Total Land and Buildings	11,108,772	2,037,388	12,175,941	2,199,855	12,704,961	3,041,113	13,403,233	3,172,164
221	C. O. Telephone Equipment	27,465,377	7,010,754	29,849,844	7,863,497	35,830,167	9,219,231	41,129,391	10,273,034
222	Other Equipment of C. O	892,698	219,166	987,256	255,506	1,091,276	307,843	1,303,418	367,799
	Total C. O. Equipment	28,358,075	7,229,920	30,837,100	8,119,003	36,921,443	9,527,074	42,432,809	10,640,833
231	Station Apparatus	8,903,600	2,568,728	10,061,338	2,925,649	11,100,757	3,301,081	12,065,315	3,633,633
232	Station Installations	6,190,460	1,466,390	6,858,760	1,627,003	7,362,026	1,769,849	7,936,996	1,910,074
233	Interior Block Wires	25,075	24,490	47,387	38,287	55,549	41,470	71,009	46,559
234	Private Branch Exchanges	5,078,553	593,113	5,848,691	666,263	6,898,663	742,676	7,712,426	868,537
235	Booths and Special Fittings	265,673	68,464	337,768	89,899	409,664	121,182	461,116	146,536
	Total Station Equipment	20,463,361	4,721,104	23,153,944	5,347,101	25,826,659	5,976,258	28,246,862	6,605,339
241	Exchange Pole Lines	2,223,099	5,036,473	2,410,072	5,487,968	2,603,766	5,953,406	2,771,046	6,609,760
242	Exchange Aerial Cable	3,115,604	4,152,065	3,540,969	4,615,647	4,159,420	5,230,892	4,735,013	6,284,983
243	Exchange Aerial Wire	2,224,745	3,151,531	2,484,277	3,384,770	2,770,431	3,554,183	3,031,139	3,771,397
244	Exchange Underground Conduit	9,693,083	2,427,620	10,313,476	2,580,377	11,646,356	2,989,588	13,191,112	3,363,161
245	Exchange Underground Cable	18,494,053	3,281,526	21,112,820	3,650,690	24,293,899	4,201,475	27,130,910	4,971,478
246	Exchange Submarine Cable	1,041	5,836	6,345	5,836	7,519	7,519	7,519	6,371
	Total Exchange Lines	35,751,595	18,055,051	39,867,959	19,725,288	45,481,391	21,937,018	50,866,739	25,007,150
251	Toll Pole Lines	87,226	4,196,658	87,717	4,082,365	80,788	4,321,593	72,953	4,352,996
252	Toll Aerial Cable	7,659	819,832	5,910	1,126,556	5,942	1,600,511	.....	2,311,844
253	Toll Aerial Wire	125,283	3,517,991	125,924	3,328,483	108,730	3,313,599	87,693	3,023,786
254	Toll Underground Conduit	507,639	987,067	507,846	1,019,834	518,477	1,064,696	21,552	1,113,305
255	Toll Underground Cable	1,302,416	1,667,152	1,502,409	1,749,399	1,728,457	2,166,707	2,350,952	2,527,776
256	Toll Submarine Cable	.....	19,235	.....	21,464	.....	30,013	.....	31,012
	Total Toll Lines	2,030,223	11,207,935	2,229,806	11,328,101	2,442,394	12,497,119	2,533,150	13,360,719
268	Interest During Construction	644,083	100,208	709,683	116,399	884,631	164,360	993,064	197,864
270	Undistributed Construction Expenditures	17,859	.....	52,021	.....	89,461	473	83,168	1,321
	Total Plant in Service	98,635,672	43,683,653	109,301,794	47,191,426	124,642,871	53,546,041	138,868,694	59,439,548
104	Construction Work in Progress	812,543	370,222	2,100,245	925,603	1,390,296	466,142	775,279	643,839
	Total Plant	99,448,215	44,053,875	111,402,039	48,117,029	126,033,167	54,012,183	139,643,973	60,083,387
261	Office Furniture and Fixtures	757,956	237,658	861,486	283,409	937,423	324,293	997,212	251,009
262	General Shop Equipment	.....	.....	.....	.....	.....	.....	.....	.....
263	General Store Equipment	20,236	25,497	21,911	25,894	22,206	27,437	22,711	31,029
264	General Stable and Garage Equipment	459,240	475,477	480,928	480,066	493,611	541,550	565,058	623,603
265	General Tools and Implements	272,315	233,615	321,507	259,326	397,356	305,293	462,165	347,772
	Total General Equipment	1,509,747	972,247	1,685,832	1,048,695	1,850,596	1,198,573	2,047,146	1,253,413
	Total Plant and General Equipment	$100,957,962	$45,026,122	$113,087,871	$49,165,724	$127,883,763	$55,210,756	$141,691,119	$61,336,800

[fol. 2924]

A-58, P-2

Illinois Bell Telephone Company

Plant and General Equipment Accounts for the Chicago and State Areas as of the end of Each Year from 1927 to 1930, Inclusive

		December 31, 1927		December 31, 1928		December 31, 1929		December 31, 1930	
		Chicago Area	State Area	Chicago Area	State Area	Chicago Area	State Area	Chicago Area	State Area
207-01	Exchange Right of Way	$324,388	$299,007	$348,739	$346,535	$371,685	$414,481	$393,745	$469,307
207-02	Toll Right of Way	2,921	204,081	715	247,551	732	285,468	783	320,624
	Total Right of Way	327,309	503,088	349,454	594,086	372,417	699,949	394,528	789,931
211	Land	2,259,851	706,428	1,963,117	780,205	2,176,513	851,440	2,192,788	992,167
212	Buildings	11,684,164	2,822,613	12,863,730	3,387,895	13,344,977	4,018,052	14,721,615	4,917,625
	Total Land and Buildings	13,944,015	3,529,041	14,826,847	4,168,100	15,521,490	4,869,492	16,914,403	5,909,792
221	C. O. Telephone Equipment	44,496,773	11,624,007	50,895,022	13,639,767	54,950,229	14,948,208	57,357,857	17,028,991
222	Other Equipment of C. O.	1,333,669	404,181	1,541,722	492,489	1,742,348	623,055	1,653,715	743,604
	Total C. O. Equipment	45,830,442	12,028,188	52,436,744	14,132,256	56,692,577	15,571,263	59,011,572	17,772,595
231	Station Apparatus	15,562,829	4,958,215	16,696,769	5,591,114	17,447,767	6,087,946	17,037,912	6,480,252
232	Station Installations	8,278,815	1,973,347	8,743,889	2,122,085	9,304,181	2,253,170	9,305,545	2,295,455
233	Interior Block Wires	92,987	49,994	116,559	58,570	137,052	63,506	164,057	69,253
234	Private Branch Exchange	8,789,044	1,041,253	9,634,240	1,224,358	10,417,327	1,381,278	10,949,197	1,609,347
235	Booths and Special Fittings	533,938	175,984	598,441	207,129	766,617	258,698	1,066,528	340,171
	Total Station Equipment	33,257,613	8,198,793	35,789,898	9,203,256	38,072,944	10,044,598	38,523,239	10,794,478
241	Exchange Pole Lines	2,955,713	7,206,929	3,000,970	8,027,431	3,128,005	8,642,475	3,201,481	8,969,953
242	Exchange Aerial Cable	5,163,442	7,111,953	5,482,590	8,189,398	5,750,720	9,072,566	5,969,274	9,759,232
243	Exchange Aerial Wire	3,234,221	3,821,396	3,383,408	4,057,282	3,678,692	4,169,867	3,870,616	4,002,994
244	Exchange Underground Conduit	14,285,405	3,863,581	15,071,680	4,352,781	16,308,248	5,061,048	17,303,744	5,624,205
245	Exchange Underground Cable	30,325,081	5,768,797	32,455,181	6,319,582	33,993,240	6,967,868	35,862,398	7,522,296
246	Exchange Submarine Cable	8,237	8,289	7,552	7,394	13,779	9,337	13,249	12,996
	Total Exchange Lines	55,972,099	27,780,945	59,401,381	30,953,868	62,872,684	33,923,161	66,220,762	35,891,676
251	Toll Pole Lines	55,619	4,236,307	51,308	4,251,336	40,891	4,391,680	43,799	4,469,615
252	Toll Aerial Cable	3,641	2,884,295	3,759	3,420,213	23,357	3,955,717	23,753	4,627,219
253	Toll Aerial Wire	76,123	2,885,654	77,238	2,857,964	66,683	2,875,383	71,063	2,820,855
254	Toll Underground Conduit	46,300	1,192,647	19,645	1,512,886	443,332	1,833,875	517,458	2,087,340
255	Toll Underground Cable	2,719,417	3,052,384	3,201,511	3,517,506	4,090,846	3,853,973	4,896,819	4,514,615
256	Toll Submarine Cable		29,335	574	33,529	6,846	43,981	6,470	56,718
	Total Toll Lines	2,901,100	14,280,622	3,384,035	15,593,434	4,671,955	16,954,529	5,559,362	18,576,362
268	Interest During Construction	1,074,119	236,514	1,374,345	268,966	1,611,030	340,708	1,712,922	407,019
270	Undistributed Construction Expenditures	104,864	2,519	62,193	3,335	49,850	2,611	48,808	1,080
	Total Plant in Service	153,411,561	66,559,710	167,624,897	74,917,301	179,864,947	82,406,311	188,385,596	90,142,933
104	Construction Work in Progress	5,192,260	561,829	3,275,755	1,154,424	1,974,688	1,050,716	4,415,765	1,021,080
	Total Plant	158,603,821	67,121,539	170,900,652	76,071,725	181,839,635	83,457,027	192,801,361	91,164,013
261	Office Furniture and Fixtures	1,228,861	305,420	1,436,357	342,492	1,674,513	367,014	1,816,065	393,886
262	General Shop Equipment								
263	General Store Equipment	23,386	28,449	50,940	29,216	57,246	26,702	58,426	28,413
264	General Stable and Garage Equipment	623,753	665,775	646,497	709,378	669,196	756,724	646,068	717,826
265	General Tools and Implements	465,675	366,976	490,299	400,609	391,659	367,524	380,010	375,022
	Total General Equipment	2,341,675	1,366,620	2,624,093	1,481,695	2,792,614	1,517,964	2,900,569	1,515,147
	Total Plant and General Equipment	$160,945,496	$68,488,159	$173,524,745	$77,553,420	$184,632,249	$84,974,991	$195,701,930	$92,679,160

[fol. 2925] A-58, P. 3

Illinois Bell Telephone Company

Plant and General Equipment Accounts for the Chicago and State Areas as of December 31, 1931

		Chicago Area	State Area
207-01	Exchange Right of Way	$416,319	$530,341
207-02	Toll Right of Way	784	344,904
	Total Right of Way	417,103	875,245
211	Land	2,370,223	1,132,562
212	Buildings	14,699,599	5,231,811
	Total Land and Buildings	17,069,822	6,364,373
221	Central Office Equipment	60,076,167	18,091,413
222	Other Equipment of Central Offices	1,578,308	717,834
	Total Central Office Equipment	61,654,475	18,809,247
231	Station Apparatus	16,589,115	6,639,162
232	Station Installations	9,128,580	2,308,387
233	Interior Block Wires	203,202	85,124
234	Private Branch Exchanges	10,901,134	1,687,452
235	Booths and Special Fittings	1,331,143	432,182
	Total Station Equipment	38,153,174	11,152,307
241	Exchange Pole Lines	3,253,549	9,266,061
242	Exchange Aerial Cable	6,008,043	9,681,932
243	Exchange Aerial Wire	4,058,121	3,850,535
244	Exchange Underground Conduit	17,966,330	6,104,371
245	Exchange Underground Cable	36,425,140	7,885,643
246	Exchange Submarine Cable	54,544	13,034
	Total Exchange Lines	67,765,727	36,801,576
251	Toll Pole Lines	41,365	4,569,238
252	Toll Aerial Cable	23,775	4,873,827
253	Toll Aerial Wire	36,893	2,853,371
254	Toll Underground Conduit	517,458	2,157,336
255	Toll Underground Cable	5,018,155	4,869,330
256	Toll Submarine Cable	6,470	58,777
	Total Toll Lines	5,644,116	19,381,879
268	Interest During Construction	1,832,494	442,027
270	Undistributed Construction Expenditures	47,663	964
	Total Plant in Service	192,584,574	93,827,618
104	Construction Work in Progress	441,956	222,936
	Total Plant	193,026,530	94,050,554
261	Office Furniture and Fixtures	1,880,787	393,258
263	General Store Equipment	56,394	28,957
264	General Stable and Garage Equipment	588,918	616,485
265	General Tools and Implements	311,441	306,256
	Total General Equipment	2,837,540	1,344,956
	Total Plant and General Equipment	$195,864,070	$95,395,510

(Here follows Exhibit A-59, side folio 2926.)

[fol. 2926]

EXHIBIT A-59

Illinois Bell Telephone Company, Chicago Exchange

Comparison of Commission's Allowance for Maintenance and Depreciation with (a) Actual Charges for Maintenance and Depreciation Accruals per Company's Books and (b) Actual Charges for Maintenance and Retirements per Company's Books

	1923	1924	1925	1926	1927	1928	1929	1930
Plant and Equipment in Service—End of Year	$100,145,419	$110,987,626	$126,493,467	$140,915,840	$155,753,236	$170,248,990	$182,657,561	$191,286,165
–Net Additions	14,457,603	10,842,207	15,505,841	14,422,373	14,837,396	14,495,754	12,408,571	8,628,605
–Average Net Additions	7,228,802	5,421,104	7,752,921	7,211,187	7,418,698	7,247,877	6,204,286	4,314,302
Average Plant and Equipment in Service During Year	92,916,617	105,566,522	118,740,546	133,704,653	148,334,538	163,001,113	176,453,275	186,971,863
Commission's Allowance								
Fixed Amount as of December 31, 1922	7,869,400	7,869,400	7,869,400	7,869,400	7,869,400	7,869,400	7,869,400	7,869,400
Plus 8¾% on Subsequent Net Additions	632,520	1,739,387	2,892,114	4,201,473	5,481,588	6,764,913	7,941,977	8,862,353
Total	8,501,920	9,608,787	10,761,514	12,070,873	13,350,988	14,634,313	15,811,377	16,731,753
Company's Books								
(a) Actual Charges for Maintenance and Depreciation Accruals								
Accounts 601 to 607, inclusive, and 610 Current Maintenance	5,901,733	6,326,331	6,876,589	8,084,707	9,259,854	10,487,500	11,600,720	12,160,980
Account 608 Depreciaion of Plant and Equipment	4,480,954	4,709,950	5,385,712	6,203,022	6,839,392	7,641,461	8,120,382	8,769,886
Accounts 701-702-703-704 Depreciation Charged to Clearing Accounts	109,080	130,510	143,921	170,637	162,485	190,902	179,300	173,525
Total	10,491,767	11,166,791	12,406,222	14,458,366	16,261,731	18,319,863	19,900,402	21,104,391
Difference Company's Books Over Commission's Allowance	1,989,847	1,558,004	1,644,708	2,387,493	2,910,743	3,685,550	4,089,025	4,372,638
% of Average Plant and Equipment in Service	2.14%	1.48%	1.39%	1.79%	1.96%	2.26%	2.32%	2.34%
(b) Actual Charges for Maintenance and Retirements								
Accounts 601 to 607, inclusive, and 610 Current Maintenance	5,901,733	6,326,331	6,876,589	8,084,707	9,259,854	10,487,500	11,600,720	12,160,980
Net Charges to Depreciation Reserve	1,509,877	2,151,612	1,932,472	2,424,024	2,644,517	4,314,317	7,223,157	6,269,689
Total	7,411,610	8,477,943	8,809,061	10,508,731	11,904,371	14,801,817	18,823,877	18,430,669
Excess of Commission's Allowance over Actual Charges for Maintenance and Retirements	1,090,310	1,130,844	1,952,453	1,562,142	1,446,617	167,504*	3,012,500*	1,698,916*
% of Average Plant and Equipment in Service	1.17%	1.07%	1.64%	1.17%	.98%	.10%*	1.71%*	.91%*

* Red

[fol. 2927]

Illinois Bell Telephone Company, Chicago Exchange

Comparison of Commission's Allowance for Maintenance and Depreciation with (a) Actual Charges for Maintenance and Depreciation Accruals per Company's Books and (b) Actual Charges for Maintenance and Retirements per Company's Books, Year 1931

Plant and Equipment in Service—End of Year	$195,422,114
—Net Additions	4,135,948
—Average Net Additions	2,067,974
Average Plant and Equipment in Service During Year	193,354,140
Commission's Allowance	
Fixed Amount as of December 31, 1922	7,869,400
Plus 8¾% on Subsequent Net Additions	9,420,803
Total	17,290,203
Company's Books	
(a) Actual Charges for Maintenance and Depreciation Accruals	
Accounts 601 to 607, inclusive, and 610 Current Maintenance	11,546,082
Account 608 Depreciation of Plant and Equipment	9,146,268
Accounts 701–702–703–704 Depreciation Charged to Clearing Accounts	162,383
Total	20,854,733
Difference Company's Books Over Commission's Allowance	3,564,530
% of Average Plant and Equipment in Service	1.84%
(b) Actual Charges for Maintenance and Retirements	
Accounts 601 to 607, inclusive, and 610 Current Maintenance	11,546,082
Net Charges to Depreciation Reserve	5,846,810
Total	17,392,892
Excess of Commission's Allowance over Actual Charges for Maintenance and Retirements	102,689*
% of Average Plant and Equipment in Service	.05%*

* Red.

(Here follows Exhibit A-60, side folio 2928)

[fol. 2928]

EXHIBIT A-60

Illinois Bell Telephone Company, Chicago Exchange

Analysis of Fixed Capital Reserves*, Years 1923 to 1930

	1923	1924	1925	1926	1927	1928	1929	1930
Balance at Beginning of Period	$26,169,631	$29,413,207	$32,116,470	$35,733,909	$39,719,037	$44,108,518	$47,637,963	$48,771,570
Cr.—Charged Deprec'n. of Plant and Eq't. (608)	4,480,954	4,709,950	5,385,712	6,203,022	6,839,392	7,641,461	8,120,382	8,769,886
" Exps. & Income Ded. (340-674)	12,565	13,767	14,771	15,726	16,565	11,881	12,666	11,884
" Clearing Accts. (701 to 704)	109,080	130,510	143,921	170,637	162,485	190,902	179,300	173,525
" Surplus (413-414)	.....	.....	.....	.....	.....	.....	.....	.....
Other Credits	141,355	860	5,769	20,019	15,910	1,121	45,907	14,931
Total Credits	4,743,954	4,855,087	5,550,173	6,409,404	7,034,352	7,845,365	8,358,255	8,970,226
Dr.—Charged Debit Subaccounts (102)	1,506,160	2,151,612	1,919,336	2,424,024	2,644,517	4,300,859	7,223,157	6,269,689
" Right of Way (103)	9,499†	212	262	252	283	1,603	1,491	2,304
" Other Amortization (103)	.....	.....	.....	.....	71	.....	.....	.....
Other Debits	3,717	.....	13,136	.....	.....	13,458	.....	.....
Total Debits	1,500,378	2,151,824	1,932,734	2,424,276	2,644,871	4,315,920	7,224,648	6,271,993
Reserves Increased	3,243,576	2,703,263	3,617,439	3,985,128	4,389,481	3,529,445	1,133,607	2,698,233
Balance at End of Period	$29,413,207	$32,116,470	$35,733,909	$39,719,037	$44,108,518	$47,637,963	$48,771,570	$51,469,803
Total Plant in Service and General Equipment—End of Period	$100,145,419	$110,987,626	$126,493,467	$140,915,840	$155,753,236	$170,248,990	$182,657,561	$191,286,165
Percent Fixed Capital Reserves to Total Plant in Service and General Equipment—End of Period	29.37%	28.94%	28.25%	28.19%	28.32%	27.98%	26.70%	26.91%

* Account 102 Reserve for Accrued Depreciation and Account 103 Reserve for Amortization of Intangible Capital. † Red

[fol. 2929]

Illinois Bell Telephone Company, Chicago Exchange

Analysis of Fixed Capital Reserves,* Year 1931

Balance at Beginning of Year	$51,469,803
Cr.—Charged Deprec'n. of Plant and Eq't. (608)	9,146,268
" Exps. & Income Ded. (340-674)	12,501
" Clearing Accts. (701 to 704)	162,383
" Surplus (413-414)	
Other Credits	171**
Total Credits	9,320,981
Dr.—Charged Debit Subaccounts (102)	5,846,810
" Right of Way (103)	1,338
" Other Amortization (103)	147
Other Debits	
Total Debits	5,848,295
Reserves Increased	3,472,686
Balance at End of Year	$54,942,489
Total Plant in Service and General Equipment—End of Year	$195,422,114
Per cent Fixed Capital Reserves to Total Plant in Service and General Equipment—End of Year	28.11%

* Account 102 Reserve for Accrued Depreciation and Account 103 Reserve for Amortization of Intangible Capital.

** Red.

[fol. 2930] EXHIBIT A-61

Illinois Bell Telephone Company

Per Cent of Gross Purchases of Chicago Area from Western Electric Company as shown on Supplement to City's Exhibit 57 for the Years 1923 to 1931, Inclusive, Attributable to Maintenance and Other Expense Accounts

1923	18.67%
1924	11.65%

1925	10.35%
1926	14.64%
1927	13.64%
1928	19.19%
1929	21.83%
1930	21.00%
1931	29.36%

[fol. 2931] EXHIBIT A-62

Illinois Bell Telephone Company, Chicago Area

Book Cost of Local Manual Central Office Equipment

December 31, 1923	$20,495,080
1924	22,467,542
1925	25,636,691
1926	29,440,587
1927	31,779,406
1928	32,914,489
1929	31,437,467
1930	32,653,114
1931	31,336,518

[fol. 2932] EXHIBIT A-63

Illinois Bell Telephone Company, Chicago Area

Account 510—Message Tolls

January	1930	$854,925.84
February	"	771,680.30
March	"	835,272.31
April	"	868,017.39
May	"	873,542.92
June	"	852,455.10
July	"	853,940.65
August	"	839,410.84
September	"	819,787.48
October	"	846,067.56
November	"	825,391.45
December	"	891,278.98
Total—Year	1930	$10,131,770.82

January	1931	799,145.64
February	"	752,194.81
March	"	818,562.62
April	"	808,836.18
May	"	825,816.58
June	"	828,461.95
July	"	784,403.72
August	"	798,224.41
September	"	784,340.49
October	"	786,297.11
November	"	743,126.01
December	"	801,343.90
Total—Year	1931	$9,530,753.42
January	1932	732,209.20

[fol. 2933]

EXHIBIT A-64

Illinois Bell Telephone Company, Chicago Area

Rates Collected By The Illinois Bell Telephone Company

Class of Service	Guarantee Day	Guarantee Month	Guarantee Year	Excess Message Rate
Individual Business..	20¢	$6.10	$73.00	5¢ Each
Coin Box.....	4 Mess.	122.0 Mess.	1460.0 Mess.	
Two-Party Business.	15¢	$4.575	$54.75	5¢ Each
Coin Box.....	3 Mess.	91.5 Mess.	1095.0 Mess.	
Two-Party Residence	12.5¢	$3.8125	$45.625	5¢ Each
Coin Box.....	2.5 Mess.	76.25 Mess.	912.5 Mess.	
Four-Party Residence	9¢	$2.745	$32.85	5¢ Each
Coin Box.....	1.8 Mess.	54.9 Mess.	657.0 Mess.	

Rates Fixed By The Illinois Commerce Commission

Individual Business..	18¢	$5.49	$65.70	4¢ Each
Coin Box.....	3.6 Mess.	109.8 Mess.	1314.0 Mess.	
Two-Party Business.	13¢	$3.965	$47.45	2.6 to 3.67 Mess.
Coin Box.....	2.6 Mess.	79.3 Mess.	949.0 Mess.	@ 5¢ Each. Over 3.67 Mess. @ 4¢ Each.
Two-Party Residence	11¢	$3.355		
Coin Box.....	2.2 Mess.	67.1 Mess.		
Four-Party Residence	7½¢	$2.2875	$27.375	1.5 to 2.0 Mess.
Coin Box.....	1.5 Mess.	45.75 Mess.	547.5 Mess.	@ 5¢ Each. Over 2.0 Mess. @ 4¢ Each.

Two-party residence measured rate

.....	$2.75	$33.00	55 to 200 Mess. 4¢.
.....	55.0 Mess.	660.0 Mess.	Over 200 Mess. 3½¢ Each.

[fol. 2934] EXHIBIT A-65

Illinois Bell Telephone Company, Chicago Area

Estimated Message Reduction

	Decrease on Existing 4 CR Subscribers		Change from 2 MR to 4 CR			
			40% under 45 Mess. 20% 45 to 55 Mess.		50% under 45 Mess. 25% 45 to 55 Mess.	
	Aver. Subs.	Messages	Aver. Subs.	Messages	Aver. Subs.	Messages
*1923	313,063	5,103	5,021	504	6,276	636
1924	318,721	16,637	7,058	2,808	8,822	3,516
1925	320,986	11,138	11,112	4,368	13,889	5,472
1926	320,771	15,012	15,841	6,192	19,802	7,752
1927	318,327	8,404	21,041	8,160	26,302	10,200
1928	303,619	9,868	19,307	7,512	24,135	9,384
1929	278,283	14,666	31,148	12,072	38,935	15,096
1930	241,726	17,985	39,824	15,384	49,780	19,236
1931	204,166	7,452	46,426	17,903	58,031	22,354

"000" Omitted in Message Figures.
*1923 for 3 months.

(Here follow extracts from Exhibit A-66, side folios 2935, 2936, and 2937)

I. P. U. C. No. 1

TARIFF AND ROUTE BOOK

This Book Cancels and Supersedes (S. P. U. C. I. No. 1) Tariff and Route Book of January 1, 1914 and Supplements Thereto

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American Telephone & Telegraph Company

LIST OF TELEPHONE OFFICES
IN THE STATE OF ILLINOIS ONLY

ALWAYS CONSULT THE
SUPPLEMENT FIRST

READ THE EXPLANATORY STATEMENT.
IT IS IMPORTANT

ISSUED JULY 2, 1917 EFFECTIVE AUGUST 1, 1917

ISSUED BY
AMERICAN TELEPHONE AND TELEGRAPH COMPANY
BY H. S. BROOKS, GENERAL COMMERCIAL SUPERINTENDENT
LONG DISTANCE LINES DEPARTMENT
195 BROADWAY, NEW YORK, N. Y.

27864

EXPLANATORY STATEMENT

1. This Tariff and Route Book, together with the Rate Sheets described below and all Supplements as issued, constitutes the American Telephone and Telegraph Company's tariff for telephone toll service in the State of Illinois.

The service covered by this tariff consists in furnishing for the use of patrons facilities, other than exchange facilities, intended for use in telephonic communication between the points listed. The exchange facilities used in connection with this service are the facilities required to establish connection between an exchange station and the toll board, or between an exchange station and the toll trunks, when such trunks are employed to effect connection with the toll board, and the use of such facilities is covered by the charges for exchange service.

TARIFF AND ROUTE BOOK

2. This Tariff and Route Book, together with its Supplements, contains the names of all points on the lines of the American Telephone and Telegraph Company, its Associated Companies and their connecting companies in the State of Illinois.

3. **CLASSIFICATION OF POINTS.** Points listed in the Tariff and Route Book are classified as Check Direct, Check and Other Line.

Check Direct: A Check Direct point is a point for which specific rates and routes are given. Check Direct points are printed in heavy-faced type. For example:

Square	Sect.		Route Block
782	63	**CHICAGO 4** Route Class 1	628

Check: A Check point is a point which takes the same rates and routes as some Check Direct point, unless otherwise specified. A Check point is printed in light-faced type and is followed by the abbreviation "Ck." and the name of its Check Direct point. For example:

Square	Sect.	
752	71	Barclay ck Springfield

Other Line: An Other Line point is a point on the lines of the Associated Companies or their connecting companies whose rates are the sum of a uniform rate (known as an Other Line rate) and the A. T. & T. rates of a designated connecting point. An Other Line point takes the same routes as the designated connecting point, unless otherwise specified. Other Line poitns are printed in light-faced type and are followed by the Other Line rate and the name of the connecting point. For example:

Square	Sect.	
(713	62)	Gifford 10-3 Rantoul

4. **SQUARE AND SECTION NUMBERS.** Square and Section numbers are given to Check Direct points for convenience in quoting rates and appear opposite their names in the columns headed "Square" and "Section." Check points are given the same Square and Section numbers as their Check Direct points. The Square and Section numbers which appear in parentheses opposite the name of each Other Line point are the Square and Section numbers of its connecting point and should be used in determining the rate to that point, to which rate the Other Line rate is added.

For the purposes of this tariff Square numbers only are used, and the Section numbers should be disregarded in all cases.

5. **ROUTE BLOCK AND TOLL CHARGE CLAIM NUMBERS.** The numbers which appear under the heading "Route Block" and those which follow the word "Route" refer only to the routing and have no connection with the determination of rates.

The numbers printed in heavy-faced type immediately following the names of the Check Direct points are used for accounting purposes and have no connection with the determination of rates.

6. **SUPPLEMENTS.** Supplements to the Tariff and Route Book will be issued from time to time, as may be necessary, giving all changes and additions. Each Supplement supersedes all previous Supplements. **ALWAYS CONSULT THE LATEST SUPPLEMENT BEFORE CONSULTING THE TARIFF AND ROUTE BOOK.**

RATE SHEETS

7. A Rate Sheet is provided for each Check Direct point. The rates on this sheet also apply to its Check points except when special rates are shown for such points.

The Rate Sheet shows, in the columns headed "Square" on the pages of Square Rates the Square numbers of all points in the State of Illinois. Opposite these Square numbers, under the heading "Rates," appears the rate for an initial period of service specified and for each additional minute or fraction thereof.

Any exception rates to these Square rates are shown under the heading "Special Rates," in the Rate Sheets.

TO ASCERTAIN A RATE

8. **"This Line" Rates:** Find in the latest Supplement or, if not found there, in the Tariff and Route Book the Square number of the point to which the rate is wanted, then refer to the Rate Sheets. If on the Rate Sheet a rate is shown opposite the Square number of the point to which the rate is desired, it is the correct rate to use.

9. In those cases where an exception rate is in effect, it is indicated on the Rate Sheet by the notation "See note," opposite the Square number. In such cases the exception rate, which is the correct rate to use, will be found under the heading "Special Rates" in the Rate Sheet.

10. Certain points are listed in the Tariff and Route Book with the notation, "Certain Subscribers Connected with ————————." The correct rate to use in such cases is the rate of the point with which the subscriber is connected. For example:

Square	Sect.	
752	71	Nilwood ck Springfield Suburban
		Certain subscribers connected with Carlinville

This means that if the subscriber is found to be connected to Carlinville, the rate to Carlinville should be used.

11. **Rates to "Other Line" Points.** The rate to or from an "Other Line" point is the sum of two separate rates; that is, the rate to or from the connecting point, plus the "Other Line" rate.

"Other Line" Rate: The "Other Line" rate, together with the name of the connecting point, is shown immediately following the name of the "Other Line" station in the Tariff and Route Book. The "Other Line" rate shown is for an initial period of three minutes and for each additional minute, unless otherwise indicated by a figure enclosed in parentheses immediately following the rate.

"Connecting Point" Rate: The rate to the connecting point, to which rate the "Other Line" rate is to be added, should be determined in the manner described in paragraphs 7 to 10, inclusive.

12. In computing the charges on a connection to or from an "Other Line" station for a conversation longer than the specified initial period, the charges should be figured separately for the rate to the connecting point and for the "Other Line" rate before adding the two together to obtain the through rate.

13. **Multi-Terminal Service:** If service is furnished by connecting simultaneously more than one telephone station located at either the originating or terminating exchange, the charge will be at the rates given in the Rate Sheets for service between the two exchanges so connected, plus 25 per cent thereof for each telephone station in excess of one so connected.

14. **MESSENGER CHARGES.** The charge for messenger service shall be the amount actually disbursed, and shall be made against the telephone from which the request for service is received, or the charge may be made "collect" if guaranteed by the calling party and accepted by the called party.

Exception: Where the instructions at an office differ from the preceding, such instructions shall apply.

[fol. 2938] EXTRACTS FROM EXHIBIT A-67

This exhibit consists of certain certified portions of tariffs of Bell telephone companies throughout the United States containing the following:

(1) Toll schedule of the Bell Telephone Company of Pennsylvania described as "P.S.C.-Pa.-Toll No. 1A, Section 1, Fifth Revised Sheet 2, Canceling Fourth Revised Sheet 2" issued and filed with the Public Service Commission of the Commonwealth of Pennsylvania, effective September 1, 1929. It contained the following provision:

"This tariff covers toll service, which consists in furnishing facilities, other than exchange facilities, for use in telephone communication between different local service areas. The exchange facilities in connection with toll service are the facilities required to establish connection between an exchange station and the toll board, or between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll board, and such exchange facilities are covered by the charges for exchange service."

(2) Toll schedule of the Bell Telephone Company of Pennsylvania, The Delaware and Atlantic Telegraph and Telephone Company and The Diamond State Telephone Company, known and described as "P.S.C.-Pa. Del.-No. 1A, Section 1, Second Revised Sheet 2, Canceling First Revised Sheet 2" filed with the Public Service Commission of the Commonwealth of Pennsylvania, effective October 1, 1926, containing the following provision:

"This tariff covers toll service, which consists in furnishing facilities, other than exchange facilities, for use in telephone communication between different local service areas. The exchange facilities in connection with toll service are the facilities required to establish connection between an exchange station and the toll board, or between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll board, and such exchange facilities are covered by the charges for exchange service."

(3) Toll schedule of The Chesapeake & Potomac Telephone Company of Baltimore City, described as "P.S.C.-[fol. 2939] Md.-Toll No. 1, Fourth Revision of Sheet 1, Can-

celling Third Revision of Sheet 1," filed with the Public Service Commission of the State of Maryland, effective March 1, 1931, containing the following provision:

"Toll rates cover compensation for all service, additional to any exchange service required, rendered in connection with any message or order for communication subject to a toll charge in accordance with the toll tariffs. Toll rates include no compensation for the use of exchange facilities."

(4) Part of toll schedule of The Chesapeake & Potomac Telephone Company of Baltimore City known and described as "First Revision of P.S.C.-Md.-Toll No. 1, Cancelling Original P.S.C.-Md.-Toll No. 1, Sheet 1," filed with the Public Service Commission of Maryland, effective April 1, 1925, containing the following provision:

"Toll rates cover compensation for all service, additional to any exchange service required, rendered in connection with any message or order for communication subject to a toll charge in accordance with the toll tariffs. Toll rates include no compensation for the use of exchange facilities."

(5) Part of the toll schedule of The Chesapeake & Potomac Telephone Company of Virginia described as "S.C.C.-Va.-Toll No. 1, Fourth Revision of Sheet 1, Cancelling Third Revision of Sheet 1," filed with the State Corporation Commission of the Commonwealth of Virginia, effective August 1, 1931, containing the following provision:

"Toll rates cover compensation for all service, additional to any exchange service required, rendered in connection with any message or order for communication subject to a toll charge in accordance with the toll tariffs. Toll rates include no compensation for the use of exchange facilities."

(6) Part of the toll rate schedule of The Chesapeake & Potomac Telephone Company of Virginia described as "Second Revision of S.C.C.-Va.-Toll No. 1, Cancelling First Revision of S.C.C.-Va.-Toll No. 1, Sheet 1," filed with the State Corporation Commission of the Commonwealth of Virginia in compliance with an order of that Commission dated July 31, 1926, in Case No. 2557, with modifications and changes to April 1, 1927, containing the following provision:

[fol. 2940] "Toll rates cover compensation for all service, additional to any exchange service required, rendered in

connection with any message or order for communication subject to a toll charge in accordance with the toll tariffs. Toll rates include no compensation for the use of exchange facilities."

(7) Part of the general exchange tariff of The Chesapeake & Potomac Telephone Company of Virginia described as "S.C.C.-Va.-No. 1, section 31," filed with the State Corporation Commission of the Commonwealth of Virginia, effective August 1, 1926, containing the following provisions:

"4. Exchange Service.—The privilege of communication, by means of facilities connected with telephone central offices, offered and made available under the provisions of the exchange tariffs; including the privilege of initiating and receiving toll messages subject to the toll tariffs.

* * * * * * * *

"9. Toll Service.—All service, additional to any exchange service required, rendered in connection with any message or order for communication subject to a toll charge in accordance with the toll tariffs."

(8) Part of the toll schedule of the Chesapeake & Potomac Telephone Company of West Virginia described as "Second Revision of P.S.C.-W. Va.-Toll No. 1, Cancelling First Revision of P.S.C.-W. Va.-Toll No. 1, Sheet 1," filed with the Public Service Commission of West Virginia, effective October 1, 1926, containing the following provision:

"Toll rates cover compensation for all service, additional to any exchange service required, rendered in connection with any message or order for communication subject to a toll charge in accordance with the toll tariffs. Toll rates include no compensation for the use of exchange facilities."

(9) Part of the toll tariff of the Michigan Bell Telephone Company described as "Revised Sheet 1 (Cancelling Original Sheet)," filed with the Michigan Public Utilities Commission, effective October 1, 1926, containing the following provision:

"This tariff covers toll service, which consists in furnishing facilities, other than exchange facilities, for use in tele-

phone communication between different local service areas. The exchange facilities in connection with toll service are the facilities required to establish connection between an [fol. 2941] exchange station and the toll board, or between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll board, and such exchange facilities are covered by the charges for exchange service."

(10) Part of the toll tariff of the Northwestern Bell Telephone Company filed with the Railroad and Warehouse Commission of the State of Minnesota, effective January 1, 1930, and still in effect, containing the following provision:

"The toll service covered by this tariff consists in the establishment of telephone communication between different local service areas and the provision of the serivies and facilities other than exchange services and facilities, necessary therefor. The exchange services and facilities in connection with toll service are those required to establish connection between an exchange station and the toll-board, or between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll board, and such exchange services and facilities are covered by the charges for exchange service."

(11) Part of the toll tariff of the Northwestern Bell Telephone Company filed with the Railroad and Warehouse Commission of the State of Minnesota, effective August 21, 1926, containing the following provision:

"The toll service covered by this tariff consists in the establishment of telephone communication between different local service areas and the provision of the services and facilities other than exchange services and facilities, necessary therefor. The exchange services and facilities in connection with toll service are those required to establish connection between an exchange station and the toll board, or between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll board, and such exchange services and facilities are covered by the charges for exchange service."

(12) Part of the rules of the Northwestern Bell Telephone Company filed with the Nebraska State Railway Commission on May 12, 1926, and approved by said Com-

mission on June 12, 1926, containing the following provision.

"The toll service covered by this tariff consists in the establishment of telephone communication between different local service areas and the provision of the services and facilities other than exchange services and facilities, necessary therefor. The exchange services and facilities [fol. 2942] in connection with toll services are those required to establish connection between an exchange station and the toll board, or between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll board, and such exchange services and facilities are covered by the charges for exchange service."

(13) Part of the general rules of the Northwestern Bell Telephone Company filed with the North Dakota Board of Railroad Commissioners, effective June 1, 1926, containing the following provision:

"The toll service covered by this tariff consists in the establishment of telephone communication between different local service areas and the provision of the services and facilities other than exchange services and facilities, necessary therefor. The exchange services and facilities in connection with toll service are those required to establish connection between an exchange station and the toll board, or between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll board, and such exchange services and facilities are covered by the charges for exchange service."

(14) Part of the rules of the Northwestern Bell Telephone Company filed with the Board of Railroad Commissioners of the State of South Dakota on September 7, 1925, permitted to become effective by order of said Commission as of June 1, 1926, containing the following provision:

"The Toll Service covered by this tariff consists in the establishment of telephone communication between different local service areas and the provision of the services and facilities other than exchange services and facilities, necessary therefor. The exchange services and facilities in connection with toll service are those required to establish connection between an exchange station and the toll board, or

between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll Board, and such exchange services and facilities are covered by the charges for exchange service."

(15) Part of a tariff of the Pacific Telephone and Telegraph Company described as "Original Sheet No. 451, W.D.P.W. No. 5," filed with the Department of Public Works of the State of Washington, effective April 1, 1927, containing the following provision:

"Interexchange service is telephone service from one toll station or exchange to another toll station or exchange."

[fol. 2943] (16) Rule No. 87 of the Louisiana Public Service Commission as it has been in effect since January 1, 1913, as follows:

"Long distance toll rates from exchanges shall commence from the long distance toll board, and shall be the same for all subscribers, to the exchange with which they are connected, regardless of the distance from the susbcriber's telephone to the exchange with which he is connected."

(17) Order No. 247 of the Railroad Commission of Louisiana dated November 20, 1902:

Order No. 247.

CUMBERLAND TELEPHONE AND TELEGRAPH COMPANY.

Ex Parte

Upon the application of the Cumberland Telephone and Telegraph Company, through its Attorney H. C. Cage, the following rule is adopted as Rule No. 29-A, Revised Rules and Regulations, Railroad Commission of Louisiana, applicable to all telephone companies in Louisiana:

Rules

Long distance toll rates from exchanges shall commence from the long distance toll board, and shall be the same for all subscribers to the exchange with which they are connected, regardless of the distance from the subscriber to the exchange.

By order of the Commission.

Baton Rouge, Louisiana, November 20, 1902.

(Here follows Exhibit A-68, side folio 2944.)

TARIFF DESCRIPTION OF TOLL SERVICE

NON-BELL COMPANIES

126824

[fol. 2945] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 2, Section 1, Sheet 1 of the Illinois Valley Telephone Company, applicable to Versailles, Illinois, filed with the Illinois Commerce Commission and made effective August 10, 1930, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Versailles, Illinois, local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exchange.

[fol. 2946] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 1, Section 1, Sheet 1 of the Illinois Valley Telephone Company, applicable to Vermont, Illinois, filed with the Illinois Commerce Commission and made effective June 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Vermont local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

Exchange.

[fol. 2947] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 1, Section 1, Sheet 1 of the Illinois Valley Telephone Company, applicable to Mt. Sterling, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Mount Sterling local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exchange.

[fol. 2948] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 1, Section 1, Sheet 1 of the Illinois Valley Telephone Company, applicable to Camp Point, filed with the Illinois Commerce Commission and made effective May 1, 1930, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Camp Point, Illinois, local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exchange.

[fol. 2949] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 3, Section 1, Sheet 1, of the Illinois Valley Telephone Company, applicable to Bushnell, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Bushnell local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exchange.

[fol. 2950] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 3, Section 1, Sheet 1, of The Boynton Telephone Company, applicable to New Berlin, Illinois, filed with the Illinois Commerce Commission and made effective January 1, 1929; are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the New Berlin, Illinois, local exchange.

"This Company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these Companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2951] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 3, Section 1, Sheet 1, of The Boynton Telephone Company applicable to Pleasant Plains, Illinois, filed with the Illinois Commerce Commission and made effective January 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Pleasant Plains local exchange.

"This Company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these Companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2952] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 1, Original Sheet No. 4 of the Wabash Telephone Company, applicable to Bloomington and Normal, Illinois, filed with the Illinois Commerce Commission and made effective March 1, 1931, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service, which includes service and connections

with the toll boards having connected thereto the toll lines which connect with the Bloomington and Normal, Illinois, local exchanges.

"This company acts as the agent for the long distance companies, for the purpose only of quoting and collecting charges for long distance service over the lines of these companies, and is not responsible or liable for any acts or omission on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2953] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 5, Section 1, Sheet 1 of The Illinois Telephone Company, applicable to Greenfield, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1930, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Greenfield, Illinois, local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2954] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 5, Section 1, Sheet 1 of The Illinois Telephone Company, applicable to Roodhouse, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1930, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Roodhouse, Illinois, local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2955] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 5 of the Automatic Home Telephone Company applicable to Pontiac, filed with the Illinois Commerce Commission and made effective May 1, 1926, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service, which includes service and connections with the toll boards having connected thereto the toll lines which connect with the Pontiac Illinois local exchange.

"This Company acts as the agent for the long distance companies, for the purpose only of quoting and collecting charges for long distance service over the lines of these companies, and is not responsible or liable for any acts or omission on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2956] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 5, Section 1, Sheet 1, of The Illinois Telephone Company, applicable to White Hall, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1930, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the White Hall, Illinois, local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2957] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 4, Section 1 Sheet 1 of The Home Telephone Company of Bluffs, as applies to Bluffs, Illinois, filed with the Illinois Commerce Commission and made effective May 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Bluffs, Illinois, local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2958] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 4, Section 1, Sheet 1, of the Streator Telephone Company applicable to Tremont, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Tremont local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2959] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 3 of the Streator Telephone Company applicable to Streator, Illinois, filed with the Illinois Commerce Commission and made effective May 1, 1926, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service, which includes service and connections with the toll boards having connected thereto the toll lines which connect with the Streator, Illinois local exchange.

"This company acts as the agent for the long distance companies, for the purpose only of quoting and collecting charges for long distance service over the lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2960] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 5, Section 1, Sheet 1, of the Streator Telephone Company applicable to Stanford, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Stanford local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2961] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 4, Section 1, Sheet 1, of the Streator Telephone Company applicable to Morton, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Morton local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2962] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 5, Section 1, Sheet 1, of the Streator Telephone Company applicable to Minier, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Minier local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2963] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 5, Section 1, Sheet 1 of the Streator Telephone Company, applicable to Mackinaw, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Mackinaw local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these Companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

[fol. 2964] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 1, Section 1, Sheet 1 of the Streator Telephone Company, applicable to Grand Ridge, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1924, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service, which includes service and connections with

the toll boards having connected thereto the toll lines which connect with the Grand Ridge, Illinois, local exchange

"This Company acts as the agent for the long distance companies, for the purpose only of quoting and collecting charges for long distance service over the lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2965] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 4, Section 1, Sheet 1, of The Home Telephone Company of Bluffs, Illinois, as applies to Meredosia, Illinois, filed with the Illinois Commerce Commission and made effective June 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the Meredosia local exchange.

"This Company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these Companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2966] STATE OF ILLINOIS:

ILLINOIS COMMERCE COMMISSION

I, Julius Johnson, do hereby certify that I am Secretary of the Illinois Commerce Commission of the State of Illinois and keeper of the records of said Commission.

I further certify that included in and constituting a part of rate schedule Ill. C. C. No. 4, Section 1, Sheet 1 of the Streator Telephone Company, applicable to Groveland, Illinois, filed with the Illinois Commerce Commission and made effective April 1, 1929, are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connections with the toll boards having connected thereto the toll lines which connect with the Groveland local exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over the long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employees of the said long distance companies or their connections."

Given under my hand and seal of said Illinois Commerce Commission, at Springfield, Illinois, this 19th day of October, 1931.

Julius Johnson, Secretary.

1 Exch.

[fol. 2967] To all whom these presents shall come:

I, Fred I. King, Secretary of the Indiana Public Service Commission do hereby certify that included in and constituting a part of the tariff of the Citizens Independent Telephone Company on file with said Commission and applicable to the Terre Haute properties of said company are two paragraphs which (omitting exchange name) are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the —— exchange.

"This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for long distance service over the lines of these companies and is not responsible or liable for any acts or omissions on the part of the owners or employes of said long distance companies or their connections."

I do further certify that the tariff containing these paragraphs was authorized by said Commission to be made effectice as of January 1, 1930.

In witness whereof I have hereunto set my hand and affixed the seal of said Commission at its Office in the Capitol in the City of Indianapolis, Indiana, this 20th day of October, 1931.

Fred I. King, Secretary Indiana Public Service Commission.

1 Exch.

[fol. 2968] To all whom these presents shall come:

I, Herman L. Gees, Secretary of the Public Service Commission for the State of Kansas, do hereby certify that included in and constituting a part of the Tariffs of The East Kansas Telephone Company filed with said Commission and applicable to its Easton, Lancaster, McLouth, Meridan, Nortonville, Ozawkie, Perry and Potter, Kansas exchanges respectively, are two paragraphs which are worded and read as follows (omitting exchange names):

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the —— exchange.

This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over long distance lines of these companies and is not responsible or liable for any acts or omissions on the part of the owners or employes of said long distance companies or their connections."

I do further certify that the Tariffs containing these paragraphs were made effective for the following exchanges of The East Kansas Telephone Company on the following dates:

Lancaster	April 1, 1928
Easton	January 1, 1929
McLouth	January 1, 1929
Nortonville	January 1, 1929
Perry	January 1, 1929
Potter	January 1, 1929
Meridan	February 1, 1929
Ozawkie	April 1, 1929

In witness whereof I have hereunto set my hand and affixed the seal of said Commission at its Office in the Capitol in the City of Topeka, Kansas, this 20th day of Oct., 1931.

Herman L. Gees, C. B. B., Secretary Public Service Commission for the State of Kansas.

8 Exch.

[fol. 2969] Monday, October 19, 1931.

4. The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the above named exchanges.

5. This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over long distance lines of these companies, and is not responsible or liable for any acts or omissions on the part of the owners or employee- of the said long distance companies or their connections.

I, Lucile Tobin, Secretary of the Kentucky Railroad Commission, do hereby certify that this is an exact copy of paragraphs four and five, of page one, of the Tariff-Rules-Regulations of the Southern Continental Telephone Company, filed in this office on May 1, 1931.

Lucile Tobin, Sec'y.

Applies to 34 exchanges.

[fol. 2970] STATE OF MINNESOTA:

Office of the Railroad and Warehouse Commission

I, Thomas Yapp, Secretary of the Minnesota Railroad and Warehouse Commission, do hereby certify that the at-

tached is a true and correct copy of that portion of the toll tariffs of The Tri-State Telephone and Telegraph Company covering general definitions and classifications of its toll service; which definitions and classifications are now in effect on the toll lines of The Tri-State Telephone and Telegraph Company within this State; and I further certify that the above have been in effect from and since August 21st, 1926.

Witness my hand and the seal of this Commission this 26th day of October, A. D. 1931.

Thos. Yapp, Secretary of the Minnesota Railroad and Warehouse Commission. (Seal.)

42 Exch.

[fol. 2971] The Tri-State Telephone and Telegraph Company, State of Minnesota

Toll Tariff, Sheet 1

A. General

1. This tariff covers intrastate toll service in the state of Minnesota furnished by The Tri-State Telephone and Telegraph Company and applies to both joint and exclusive traffic of that company.

2. The toll service covered by this tariff consists in the establishment of telephone communication between different local service areas and the provision of the services and facilities other than exchange services and facilities, necessary therefor. The exchange services and facilities in connection with toll service are those required to establish connection between an exchange station and the toll board, or between an exchange station and the toll trunks when such trunks are employed to effect connection with the toll board, and such exchange services and facilities are covered by the charges for exchange service.

3. Toll messages are classified into two groups known as: Station-to-Station and Person-to-Person.

4. On certain toll calls which cannot be completed, a partial charge known as a Report Charge is made.

[fol. 2972] To all whom these presents shall come:

I, David P. Janes, Secretary of the Missouri Public Service Commission, do hereby certify that paragraph 4 of Section 1, Sheet 1, Local Exchange Tariff, effective February 1, 1922, of the Kansas City Telephone Company applicable to its Kansas City, Missouri, properties, and filed with and approved by said Commission, was in words and figures as follows, to-wit:

"4. This Company does not furnish toll service except to suburban exchange areas adjacent to Kansas City, Missouri. However, through the medium of trunk lines connected with the toll boards of the long distance companies, local subscribers, as a part of the local exchange service, receive the benefit of toll connections."

and that paragraphs 5 and 6 of Section 1, Sheet 1, of said tariff, rules and regulations of the said Kansas City Telephone Company so filed and approved as aforesaid and applicable to said properties, was in words and figures as follows, to-wit:

"5. This Company acts as the Agent for the long distance companies for the purpose only of quoting and collecting charges for long distance service and is not responsible or liable for any actions or omissions on the part of the owners or employees of the Long Distance Companies or their connections.

6. This Company does not transmit messages but provides the use of its available facilities for that purpose and is not liable for errors in the transmission of same or for failures in establishing connections."

In witness whereof I have hereunto set my hand and affixed the seal of said Commission at its Office in the Capitol in the City of Jefferson City, Missouri, this 20th day of October, 1931.

David P. Janes, Secretary, Missouri Public Service Commission.

1 Exch. Kem.

[fol. 2973] To all whom these presents shall come:

I, J. F. Miller, Secretary of the Nebraska State Railway Commission, do hereby certify that included in and consti-

tuting a part of the tariffs of Nebraska Continental Telephone Company filed with said Commission and applicable to its Columbus, Duncan and Newman Grove, Nebraska exchanges respectively, are two paragraphs which (omitting exchange name) are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the —— exchange.

This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over long distance lines of these companies and is not responsible or liable for any acts or omissions on the part of the owners or employes of said long distance companies or their connections."

I do hereby further certify that the tariffs containing these paragraphs were approved by said Commission on December 28, 1930 for said three exchanges, and were made effective for these exchanges as follows:

For the Newman Grove exchange of said company—March 1, 1931;

For the Columbus exchange of said company—May 1, 1931, and for the Duncan exchange of said company—June 1, 1931.

In witness whereof I have hereunto set my hand and affixed the seal of said Commission at its Office in the Capitol in the City of Lincoln, Nebraska, this 19th day of October, 1931.

J. F. Miller, Secretary, Nebraska State Railway Commission.

3 Exchanges.

(Here follows A-68, page 30, side folio 2974)

SSIONERS
AUL A WALKER, CHAIRMAN
C CHILDERS
R. HUGHES

E D HICKS, JR
SECRETARY

OFFICE OF

CORPORATION COMMISSION

OF OKLAHOMA

IN REPLY REFER TO FILE

A-68
P-30

OKLAHOMA CITY, OKLA.

C E R T I F I C A T E

TO ALL WHOM THESE PRESENTS SHALL COME:

I, E. D. Hicks, Jr., Secretary of the Corporation Commission of Oklahoma, do hereby certify that included in and constituting a part of the tariffs of Oklahoma Telephone Company filed with said Commission and applicable to its Hominy, Broken Arrow and Fairfax, Oklahoma, exchanges, respectively, are two paragraphs which are worded and read as follows, omitting exchange names:-

> "The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connection thereto the toll lines which connect with the _____ exchange.
>
> "This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over long distance lines of these companies and is not responsible or liable for any acts or omissions on the part of the owners or employes of said long distance companies or their connections."

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Commission at its Office in the State Capitol, Oklahoma City, this 21st day of October, 1931.

E. D. Hicks, Jr.
Secretary.

29197

[fol. 2975] To all whom these presents shall come:

I, Dorsey B. Thomas, Secretary of the Tennessee Railroad and Public Utilities Commission, do hereby certify that included in and constituting a part of the tariffs of Southern Continental Telephone Company on file with said Commission and applicable to the Algood, Baxter, Chestnut Mound, Cookeville, Crossville, Davidson, Doyle, Dresden, Jamestown, Livingston, McMinnville, Martin, Monterey, Oakdale, Oneida, Pikeville, Sharon, Sparta, Viola, and Wartburg, Tennessee exchanges of said company are two paragraphs which are worded and read as follows:

"The local exchange rates herein shown are for local exchange service which includes service and connection with the toll boards having connected thereto the toll lines which connect with the —— exchange.

This company acts as the agent for the long distance companies for the purpose only of quoting and collecting charges for service over long distance lines of these companies and is not responsible or liable for any acts or omissions on the part of the owners or employes of said long distance companies or their connections."

I do further certify that the tariffs containing these paragraphs were approved by the Tennessee Railroad and Public Utilities Commission to become effective as of the First day of Feb., 1931 for all of said above named exchanges.

In witness whereof I have hereunto set my hand and affixed the seal of said Commission at its Office in the Capitol in the City of Nashville, Tennessee this 19th day of Oct., 1931.

Dorsey B. Thomas, Secretary, Tennessee Railroad and Public Utilities Commission.

2d Exchanges.

[fol. 2976] EXTRACTS FROM EXHIBIT A-69

This exhibit contains forms of traffic agreements used by the various Bell companies with connecting companies, specifying the terms for the interexchange of telephone messages between the contracting parties. These agreements contain, among others, the following provisions:

(1) Section 3 of Exhibit C of the contract used by the New York Telephone Company reads as follows:

"The sum of the Commissions, determined as above from Columns 3 and 4 of the foregoing Table, is the total amount to be received by each company for facilities furnished and services rendered in originating and terminating communications interchanged under said Traffic Agreement, but does not include compensation for the use of exchange service facilities required to establish connection between an exchange station and the toll terminal plant, for the use of which facilities each company is compensated by its rates for exchange service."

(2) The form used by the Southwestern Bell Telephone Company known as S-8615-A contains the following provision:

"Above compensation shall not be construed as compensating for connection of exchange subscribers with toll boards, as such service is performed for the subscriber and compensated for in the exchange rate."

(3) The form used by the Southwestern Bell Telephone Company known as S-8614-A contains the same provision quoted under (2).

(4) The form used by the Southwestern Bell Telephone Company known as S-8615 a-T (8-23) contains the same provision quoted in (2) above.

(5) The form of the Southwestern Bell Telephone Company described as Form S-8614 a-T (8-23) contains the same provision quoted in (2) above.

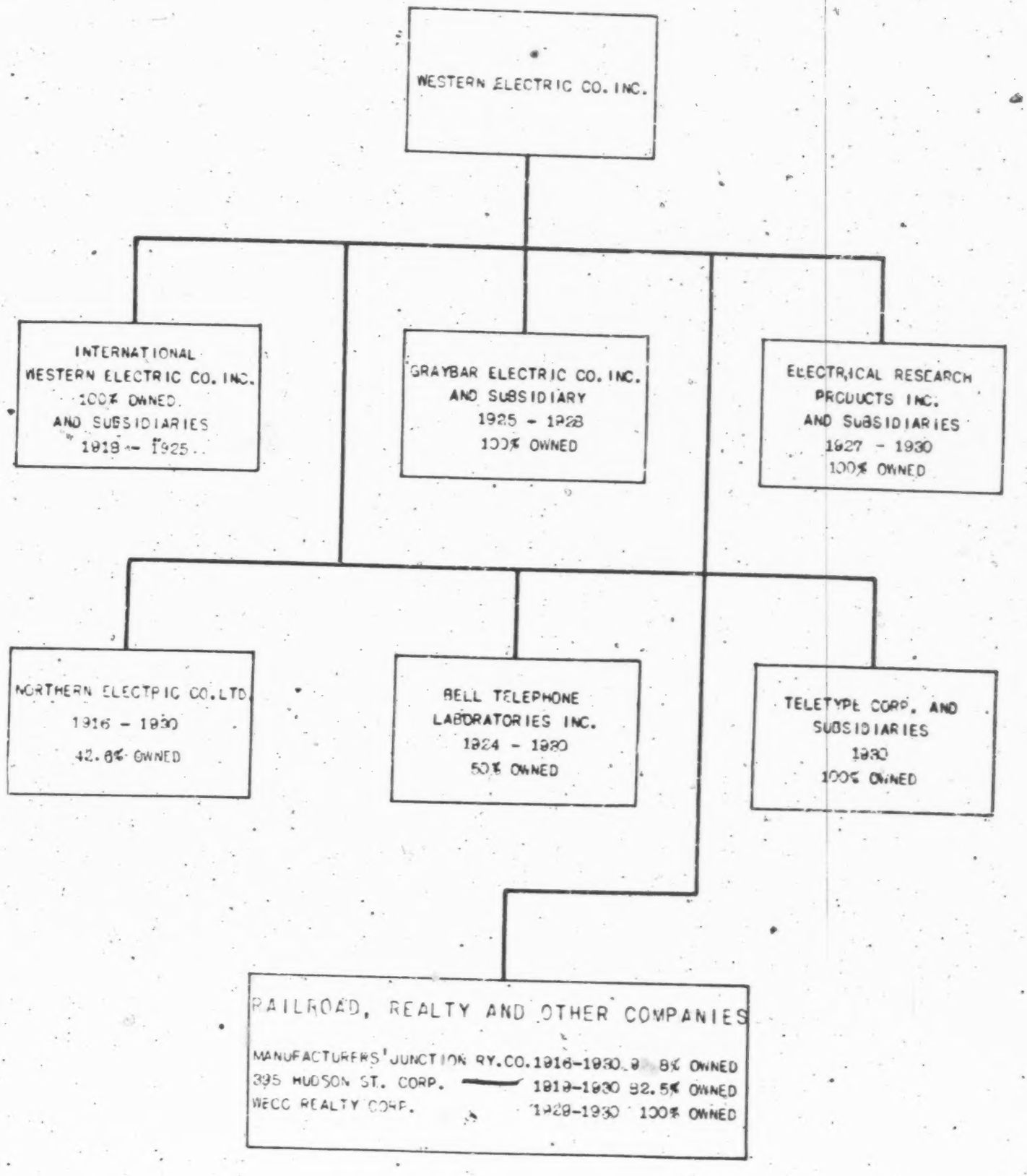
(6) The contract between the Michigan Bell Telephone Company and the Alamo Mutual Telephone Company, of Alamo, Michigan, dated November 1, 1924, contains the following provision:

[fol. 2977] "NOTE.—The above compensation is not compensation for the connection of exchange subscribers with toll switchboards as that service is performed for the subscriber and paid for in his exchange rate. It does cover toll terminal service on both inward and outward messages, although for convenience it is computed on the basis of originating messages only."

(Here follows Exhibit A-75, side folio 2978)

EXHIBIT A-75

PRINCIPAL SUBSIDIARIES OF WESTERN ELECTRIC CO. INC.
1916 - 1930



[fol. 2979] EXHIBIT A-76

List of Classes of Devices Which Are Marketed by the Electrical Research Products, Inc.

A. Phonograph Recording Apparatus.

B. Talking Motion Picture Equipment (Theatrical and Non-Theatrical).

1. Recording Apparatus.
2. Reproducing Apparatus.
3. Testing Apparatus.

C. Public Address Apparatus for Theatres.

D. Electric Phonographs for Theatres.

E. Electric Phonographs for Broadcasting Stations.

F. Amplifiers for Submarine Telegraph Cables.

G. Terminal Apparatus for Multiplex Telegraphy on Submarine Cables.

H. Testing Apparatus for Submarine Cables.

I. Picture Transmission Apparatus.

J. Hearing Aids

1. Audiphones.
2. Audiometers.
3. Stethoscopes.
4. Artificial Larynges.

[fol. 2980]

EXHIBIT A-77

Sales, Net Profits, and Average Investment, Bell Business, 1916 to 1930, Inclusive

(Dollars in Thousands)

	Sales	Total Cost of Sales	Net Profits	Per Cent Net Profits to Sales	Average Investment	Per Cent Return on Investment
1916	$73,915	$71,775	$2,140	2.9	$46,112	4.6
1917	104,682	102,157	2,525	2.4	66,184	3.8
1918	79,217	76,796	2,421	3.1	70,685	3.4
1919	80,361	77,674	2,687	3.3	69,939	3.8
1920	130,712	125,857	4,855	3.7	98,914	4.9
1921	142,885	131,747	11,138	7.8	125,330	8.9
1922	159,957	153,595	6,362	4.0	123,089	5.2
1923	188,159	181,967	6,192	3.3	131,504	4.7
1924	233,300	222,425	10,875	4.7	158,488	6.9
1925	226,700	210,448	16,252	7.2	163,085	10.0
1926	247,203	234,652	12,551	5.1	160,255	7.8
1927	241,062	224,194	16,868	7.0	167,371	10.1
1928	267,808	250,524	17,284	6.5	161,378	10.7
1929	372,384	355,012	17,372	4.7	204,507	8.5
1930	338,830	327,145	11,685	3.4	270,556	4.3
Total	2,887,175	2,745,968	141,207	4.9	2,017,397	7.0

[fol. 2981]

EXHIBIT A-78

Sales, Net Profits, and Average Investment, Bell Business, 1916 to 1931, Inclusive

(Dollars in Thousands)

	Sales	Total Cost of Sales	Net Profits	Per Cent Net Profits to Sales	Average Investment	Per Cent Return on Investment
1916	$73,915	$71,775	$2,140	2.9	$46,112	4.6
1917	104,682	102,157	2,525	2.4	66,184	3.8
1918	79,217	76,796	2,421	3.1	70,685	3.4
1919	80,361	77,674	2,687	3.3	69,939	3.8
1920	130,712	125,857	4,855	3.7	98,914	4.9
1921	142,885	131,747	11,138	7.8	125,380	8.9
1922	159,957	153,595	6,362	4.0	123,089	5.2
1923	188,159	181,967	6,192	3.3	131,504	4.7
1924	233,300	222,425	10,875	4.7	158,488	6.9
1925	226,700	210,448	16,252	7.2	163,085	10.0
1926	247,203	234,652	12,551	5.1	160,255	7.8
1927	241,062	224,194	16,868	7.0	167,371	10.1
1928	267,808	250,524	17,284	6.5	161,378	10.7
1929	372,384	355,012	17,372	4.7	204,507	8.5
1930	338,830	327,145	11,685	3.4	270,556	4.3
1931 estimated as basis of 8 mos.	219,233	209,748	9,485	4.3	270,766	3.5
Total	3,106,408	2,955,716	150,692	4.9	2,288,163	6.6

[fol. 2982]

EXHIBIT A-79

Sales, Net Profits, and Average Investment, Non-Bell Business, 1916 to 1930, Inclusive

(Dollars in Thousands)

	Sales	Total Cost of Sales	Net Profits	Per Cent Net Profits to Sales	Average Investment	Per Cent Return on Investment
1916	$33,072	$31,342	$1,730	5.2	$12,983	13.3
1917	45,658	42,383	3,275	7.2	16,774	19.5
1918	66,009	62,396	3,613	5.5	23,105	15.6
1919	55,361	52,672	2,689	4.9	22,919	11.7
1920	75,400	72,965	2,435	3.2	26,557	9.2
1921	46,880	49,544	(2,664)	(5.7)	27,181	(9.8)
1922	50,984	49,312	1,672	3.3	17,254	9.7
1923	67,018	64,095	2,923	4.4	19,267	15.2
1924	64,981	62,611	2,370	3.6	20,432	11.6
1925	71,029	71,701	(672)	(.9)	21,384	(3.1)
1926	15,902	14,206	1,696	10.7	12,367	13.7
1927	12,662	11,365	1,297	10.2	11,186	11.6
1928	20,123	17,531	2,592	12.9	15,202	17.0
1929	33,566	32,177	6,389	16.6	26,419	24.2
1930	22,648	21,399	1,249	5.5	18,798	6.6
Total	686,293	655,699	30,594	4.5	291,828	10.5

[fol. 2983]

EXHIBIT A-80

Sales, Net Profits, and Average Investment, Non-Bell Business, 1916 to 1931, Inclusive

(Dollars in Thousands)

	Sales	Total Cost of Sales	Net Profits	Per Cent Net Profits to Sales	Average Investment	Per Cent Return on Investment
1916	$33,072	$31,342	$1,730	5.2	$12,983	13.3
1917	45,658	42,383	3,275	7.2	16,774	19.5
1918	66,009	62,396	3,613	5.5	23,105	15.6
1919	55,361	52,672	2,689	4.9	22,919	11.7
1920	75,400	72,965	2,435	3.2	26,557	9.2
1921	46,880	49,544	(2,664)	(5.7)	27,181	(9.8)
1922	50,984	49,312	1,672	3.3	17,254	9.7
1923	67,018	64,095	2,923	4.4	19,267	15.2
1924	64,981	62,611	2,370	3.6	20,432	11.6
1925	71,029	71,701	(672)	(.9)	21,384	(3.1)
1926	15,902	14,206	1,696	10.7	12,367	13.7
1927	12,662	11,365	1,297	10.2	11,186	11.6
1928	20,123	17,531	2,592	12.9	15,202	17.0
1929	38,566	32,177	6,389	16.6	26,419	24.2
1930	22,648	21,399	1,249	5.5	18,798	6.6
1931 estimated on basis of 8 mos.	9,963	9,851	112	1.1	12,900	.9
Total	696,256	665,550	30,706	4.4	304,728	10.1

(Here follows side folio 2984)

[fol. 2984]

EXHIBIT A-81

Analysis of Sales of W. E. Manufactures to Non-Bell Customers, 1916 to 1931, Inclusive

(Dollars in Thousands)

Year	Total	Domestic Customers (of Supply Department)	Export and Foreign (Int'l Western Electric Co. Inc. and Northern Electric Co. Ltd.)	U. S. Government	Distributors				Other Customers
					Graybar Electric Company Inc.	International Standard Electric Corporation	Northern Electric Company Limited	Electrical Research Products Inc.	
1916	$6,664	$3,910	$2,754(A)	$.....	$.....	$.....	$.....	$.....	$.....
1917	8,507	3,557	2,801(A)	2,149	.....	.....	.....	.....	.....
1918	21,537	4,639	2,543	14,355	.....	.....	.....	.....	.....
1919	12,950	3,865	4,388	4,697	.....	.....	.....	.....	.....
1920	9,209	4,547	4,051	611	.....	.....	.....	.....	.....
1921	10,918	4,637	6,281	.....	.....	.....	.....	.....	.....
1922	8,963	7,092	1,871	.....	.....	.....	.....	.....	.....
1923	11,525	8,140	3,385	.....	.....	.....	.....	.....	.....
1924	14,594	10,486	4,108	.....	.....	.....	.....	.....	.....
1925	14,768	11,535	3,233(B)	.....	.....	.....	.....	.....	.....
1926	15,454	.....	.....	.....	9,667	2,399	1,016	.....	2,372
1927	12,192	.....	.....	.....	6,662	1,920	1,285	2,325	.....
1928	19,756	.....	.....	.....	7,010	1,744	1,691	9,311	.....
1929	35,631	.....	.....	.....	7,986	1,782	2,949	22,914	.....
1930	21,024	.....	.....	.....	6,888	1,222	2,700	9,461	753
1931 Estimated on basis of 8 mos	9,406	.....	.....	.....	4,619	592	1,109	2,254	832
Total	233,008	62,408	35,415	21,812	42,832	9,659	10,750	46,265	3,957

(A) Includes sales to foreign companies and sales by Export Department, which in 1918 were owned by or were part of the International Western Electric Company, Inc.
(B) Includes $190,000 sales to foreign submarine cable manufacturing companies.

[fol. 2985] EXHIBIT A-82

Income from Royalties and Patents Sold and Expenses Applicable Thereto for the Periods 1916 to 1931 and 1923 to 1931

(Dollars in Thousands)

	1916 to 1931	1923 to 1931
Gross Royalties Received by:		
Western Electric Company	$4,173	$4,038
Electrical Research Products Inc.	13,453	13,453
International Western Electric from Subsidiaries	1,811	740
International Western Electric and Subsidiaries from Others	589	541
Total Royalties	20,026	18,772
Patents Sold	946	581
Total	20,972	19,353
Less Amounts Distributed to:		
American Tel. & Tel. Co.	2,529	2,529
Vitaphone Corporation	2,211	2,211
Northern Electric Co. Ltd.	288	288
International Standard Electric Corp.	110	110
G. H. Davis	4	4
German Electric Companies	10	10
Graybar Electric Company	44	44
	5,196	5,196
Balance Retained by:		
Western Electric Company	4,891	4,391
Electrical Research Products Inc.	8,485	8,485
International Western Electric and Subsidiaries	2,400	1,281
Total Retained	15,776	14,157
Expenses Applicable to Royalties Received and Patents Sold:		
Western Electric Co.—Royalties	2,842	2,797
Western Electric Co.—Patents Sold	674	581
Electrical Research Products Inc. Development Expense	8,913	8,913
Electrical Research Products Inc. Other Expenses	1,104	1,104
Total Expenses	13,533	13,395
Net Royalties and Patents Sold	2,243	762

[fol. 2986] EXHIBIT A-83

Approximate Effect of Price Changes on Apparatus and Equipment Sold to Bell Companies, 1921-1930

Non-Cumulative

	Estimated Amount of Price Change Made Effective Each Year (Annual Basis)
1921	$(−1,200,000)
1922	(−8,800,000)
1923	+200,000
1924	(−6,100,000)
1925	(−1,100,000)
1926	(−9,400,000)
1927	(−5,000,000)
1928	(−11,500,000)
1929	(−12,500,000)
1930	+14,400,000

[fol. 2987] EXHIBIT A-84

Consolidated Earnings Statement of Western Electric Company, Incorporated, and Subsidiaries, 1916-1931, Inclusive

(Dollars in Thousands)

Net Profits	$244,594
Average Investment	3,229,000
Per Cent Return on Investment	7.6%

[fol. 2988]

EXHIBIT A-85

Return on Investment of 88 Manufacturing Companies

(Six-year Period 1925–1930)

(Dollars in Thousands)

	Average Investment	Average Annual Earnings
1. Air Reduction	$29,171	$3,521
2. Allied Chemical	317,681	25,249
3. American Agricultural Chemical	72,555	2,394
4. American Chain	31,065	2,415
5. American Cyanamid	28,676	2,079
6. American Ice	37,458	3,459
7. American Locomotive	112,353	4,732
8. American Radiator	124,972	13,159
9. American Safety Razor	7,440	1,220
10. American Snuff	13,165	1,912
11. American Steel Foundry	59,479	4,154
12. Archer-Daniels-Midland	18,730	1,816
13. Atlas Powder	26,590	2,005
14. Bliss, E. W.	28,809	890
15. Brown Shoe	19,485	1,631
16. Burroughs	39,294	7,629
17. Case, J. I.	41,660	3,398
18. Caterpillar Tractor	32,807	7,265
19. Chrysler Motors	123,142	19,026
20. Columbian Carbon	29,456	2,763
21. Congoleum-Nairn	39,583	1,674
22. Congress Cigar	10,255	2,492
23. Consolidated Cigar	19,614	3,606
24. Continental Baking	68,676	7,181
25. Continental Can	59,168	6,352
26. Continental Motors	34,680	1,350
27. Deere & Co	76,065	9,248
28. Dennison	16,260	1,121
29. Diamond Match	31,728	1,610
30. DuPont	243,927	22,626
31. Electric Storage Battery	50,490	6,467
32. Endicott-Johnson	53,036	3,762
33. Eureka Vacuum Cleaner	6,218	1,144
34. Fairbanks-Morse	40,040	2,409
35. General Baking	36,734	6,784
36. General Cigar	28,873	3,650
37. General Electric	529,720	52,797
38. General Motors	824,210	201,377
39. General Railway Signal	13,477	2,809
40. Glidden	22,924	2,259
[fol. 2989] 41. Goodrich	130,924	8,063
42. Goodyear	221,163	18,755
43. Holland Furnace	12,920	1,790
44. Hudson Motor	61,361	10,716
45. Hupp Motor	28,880	3,146
46. Ingersoll-Rand	45,340	7,391
47. International Business Machine	29,165	5,304
48. International Cement	51,447	4,853
49. International Harvester	338,023	26,635
50. International Shoe	98,871	14,899
51. International Silver	22,314	1,208
52. Liggett & Myers	138,031	21,207
53. Liquid Carbonic	16,305	1,582
54. Lorillard	72,333	4,858
55. Mack Truck	72,175	6,488

	Average Investment	Average Annual Earnings
56. Marlin Rockwell	10,539	1,605
57. Mathieson Alkali	22,063	1,915
58. Motor Wheel	15,848	2,202
59. Nash Motors	53,539	18,118
60. National Cash Register	57,172	6,983
61. National Lead	114,498	6,023
62. National Supply	48,184	4,172
63. Parke, Davis	26,652	7,454
64. Proctor & Gamble	104,195	16,936
65. Purity Bakeries	22,278	4,109
66. Radio Corp.	71,324	10,890
67. Remington Arms	33,482	1,544
68. Reo Motors	35,059	3,099
69. Reynolds Tobacco	143,283	29,532
70. St. Regis Paper	46,603	2,601
71. Simmons	47,061	3,382
72. Smith, A. G.	25,055	3,967
73. Spalding, A. G.	21,065	1,717
74. Spicer Mfg.	15,074	1,560
75. Stewart Warner	32,822	5,297
76. Studebaker	114,453	11,339
77. Timken Detroit Axle	20,509	1,465
78. Timken Roller Bearing	41,962	10,254
79. Torrington Mfg.	11,346	2,120
80. Union Carbide	256,803	27,968
81. U. S. Gypsum	54,436	6,812
82. U. S. Industrial Alcohol	38,306	2,048
83. Ward Baking	39,214	3,773
84. Warren Bros.	16,002	1,982
85. Westinghouse Electric	255,637	18,938
86. White Motor	44,973	1,634
87. Willys-Overland	84,668	2,767
88. Yale & Towne	24,956	1,913
Total 88 Companies	$6,687,979	$814,449
Per Cent Earned on Investment 88 Companies	12.2%	

[fol. 2990] EXHIBIT A-86

Net Profits to Sales, 38 Manufacturing Companies

(Six-year Period 1925–1930)

This list includes all of the manufacturing companies used in computations of earnings on investment, for which sales information is available in at least four out of the five years, 1925–1929 inclusive.

(Dollars in Thousands)

	Sales	Net Profits
Air Reduction	$93,756	$20,193
American Ice	118,497	18,217
Atlas Powder	120,499	10,581
Brown Shoe	197,077	9,783
Caterpillar Tractor	200,726	43,842
Chrysler	1,371,184	102,978
Columbian Carbon	56,905	15,179
Congress Cigar	97,740	14,537
Electric Storage Battery	231,359	26,969
Endicott-Johnson	405,335	22,574
Eureka Vacuum Cleaner	62,769	6,865
Fairbanks-Morse	175,472	13,728

	Sales	Net Profits
General Electric	2,058,562	219,291
General Motors	7,009,808	1,187,674
Glidden	176,084	13,265
Goodrich	904,872	43,216
Goodyear	1,369,399	95,015
Holland Furnace	96,537	10,739
Hupp Motor	290,004	14,786
International Cement	146,012	28,039
International Shoe	712,752	86,714
International Silver	112,583	6,522
Liquid Carbonic*	57,102	6,943
Mack Truck	349,986	38,928
National Cash Register	291,982	40,394
National Supply	60,853	20,213
Procter and Gamble	996,246	94,500
Purity Bakeries**	170,721	18,616
Remington Arms	112,755	8,275
Reo Motors	290,813	12,369
Simmons	229,742	19,852
Spalding, A. G.	146,495	8,729
St. Regis Paper	81,760	13,720
Studebaker	845,425	66,263
U. S. Industrial Alcohol***	107,037	3,801
Warren Bros.	123,120	7,096
Westinghouse Electric	1,112,706	92,670
White Motor**	305,208	6,473
Total	21,289,883	2,469,549
Net Profits to Sales, 38 Companies		11.6%

* 1926–1930 only.
** 1925–1929 only.
*** 1925–1928 only.

[fol. 2991]

EXHIBIT A–87

Net Profits to Sales, 39 Manufacturing Companies

(Six-year Period 1925–1930)

This list includes all of the manufacturing companies used in computations of earnings on investment, for which sales information is available in at least four out of the five years 1925–1929 inclusive.

	Per cent
1. National Supply	33.2
2. Columbian Carbon	26.7
3. Caterpillar Tractor	21.8
4. Air Reduction	21.5
5. International Cement	19.2
6. General Motors	16.9
7. St. Regis Paper	16.8
8. American Ice	15.4
9. Congress Cigar	14.9

	Per cent
10. National Cash Register	13.8
11. International Shoe	12.2
12. Liquid Carbonic*	12.2
13. Electric Storage Battery*	11.7
14. Holland Furnace	11.1
15. Mack Truck	11.1
16. Eureka Vacuum Cleaner	10.9
17. Purity Bakeries**	10.9
18. General Electric	10.7
19. Proctor & Gamble	9.5
20. Atlas Powder	8.8
21. Simmons	8.6
22. Westinghouse Electric	8.3
23. Studebaker	7.8
24. Fairbanks—Morse	7.8
25. Glidden	7.5
26. Chrysler	7.5
27. Remington Arms	7.3
28. Goodyear	6.9
29. A. G. Spalding	6.0
30. International Silver	5.8
31. Warren Bros.	5.8
32. Endicott-Johnson	5.6
33. Western Electric	5.4
34. Hupp Motor	5.1
35. Brown Shoe	5.0
36. Goodrich	4.8
37. Reo Motors	4.3
38. U. S. Industrial Alcohol***	3.6
39. White Motor**	2.1

* 1926–1930 only.
** 1925–1929 only.
*** 1925–1928 only.

[fol. 2992]

EXHIBIT A-88

Sales by the Western Electric Company, Inc., of Telephone Apparatus, Lead Covered Cable and Supplies to all Bell Telephone Companies Expressed in Percentages of Total Sales to Bell Companies and Sales to the Illinois Bell Telephone Company of the Same Expressed in Percentages of Total Sales to That Company.

1916 to 1930

	Telephone Apparatus		Lead Covered Cable		Supplies	
	% of Total Sales to all Bell Cos.	% of Total Sales to Illinois Bell Tel. Co.*	% of Total Sales to all Bell Cos.	% of Total Sales to Illinois Bell Tel. Co.*	% of Total Sales to all Bell Cos.	% of Total Sales to Illinois Bell Tel. Co.*
1916	31.4	46.0	22.4	27.0	46.2	27.0
1917	34.2	40.9	23.0	34.6	42.8	24.5
1918	44.9	64.6	12.5	11.4	42.6	24.0
1919	43.5	56.1	9.6	15.2	46.9	28.7
1920	41.4	54.0	12.3	13.2	46.3	32.8
1921	62.4	76.8	8.1	3.9	29.5	19.3
1922	61.9	65.6	10.6	10.3	27.5	24.1
1923	57.5	57.7	12.7	15.0	29.8	27.3
1924	61.4	62.7	14.7	15.0	23.9	22.3
1925	55.9	59.2	17.7	20.1	26.4	20.7
1926	54.2	53.9	17.3	21.7	28.5	24.4
1927	55.2	62.3	15.7	15.9	29.1	21.8
1928	50.9	61.1	16.2	15.4	32.9	23.5
1929	47.8	59.8	17.2	12.1	35.0	28.1
1930	57.6	61.4	16.7	11.5	25.7	27.1
Total 1916 to 1930 Inclusive	52.9	59.9	15.4	15.6	31.7	24.5

NOTE.—*This exhibit is based on shipments made in each of the years, and includes 20 per cent of the shipments to the Central Union Telephone Company, on the assumption that such percentage covers shipments for territory in Illinois now owned by the Illinois Bell Telephone Company, and does not include shipments of junk material by Illinois Bell Telephone Company to Western Electric Company.

[fol. 2993]

Sales by the Western Electric Company, Inc., of Telephone Apparatus, Lead Covered Cable and Supplies to all Bell Telephone Companies Expressed in Percentages of Total Sales to Bell Companies and Sales to the Illinois Bell Telephone Company of the Same Expressed in Percentages of Total Sales to That Company.

1931

	Telephone Apparatus		Lead Covered Cable		Supplies	
	% of Total Sales to all Bell Cos.	% of Total Sales to Illinois Bell Tel. Co.	% of Total Sales to all Bell Cos.	% of Total Sales to Illinois Bell Tel. Co.	% of Total Sales to all Bell Cos.	% of Total Sales to Illinois Bell Tel. Co.
1931	64.3	43.3	9.8	5.7	25.9	51.0

[fol. 2994]

EXHIBIT A-89

Division of Western Electric Company Sales for 1928, 1929 and 1930 of Telephone Apparatus, Lead Covered Cable and Supplies to the Illinois Bell Telephone Company Between Chicago and State

(Dollars in Thousands)

	1928	Per Cent of Total	1929	Per Cent of Total	1930	Per Cent of Total
Total						
Telephone Apparatus	$12,779	61.1	$13,326	59.8	$14,634	61.4
Lead Covered Cable	3,212	15.4	2,708	12.1	2,746	11.5
Supplies	4,901	23.5	6,255	28.1	6,468	27.1
	20,892	100.0	22,289	100.0	23,848	100.0
Chicago						
Telephone Apparatus	7,720	59.5	9,537	64.0	9,118	60.2
Lead Covered Cable	1,801	13.9	1,336	9.0	1,409	9.3
Supplies	3,456	26.6	4,013	27.0	4,617	30.5
	12,977	100.0	14,886	100.0	15,144	100.0
State						
Telephone Apparatus	5,059	63.9	3,789	51.2	5,516	63.4
Lead Covered Cable	1,411	17.8	1,372	18.5	1,337	15.3
Supplies	1,445	18.3	2,242	30.3	1,851	21.3
	7,915	100.0	7,403	100.0	8,704	100.0

[fol. 2995] Division of Western Electric Company Sales for 1931 of Telephone Apparatus, Lead Covered Cable and Supplies to the Illinois Bell Telephone Company Between Chicago and State

(Dollars in Thousands)

		Percent of Total
Total		
Telephone Apparatus	$4,271	43.3
Lead Covered Cable	558	5.7
Supplies	5,028	51.0
	$9,857	100.0
Chicago		
Telephone Apparatus	2,783	42.1
Lead Covered Cable	219	3.3
Supplies	3,612	54.6
	6,614	100.0
State		
Telephone Apparatus	1,488	45.9
Lead Covered Cable	339	10.4
Supplies	1,416	43.7
	3,243	100.0

[fol. 2996]

EXHIBIT A-90

Western Electric Co., Inc.

Sales to Bell Telephone Companies and Total Sales, 1916–1930, and Sales for 8 Months 1930 Compared with 8 Months 1931

(Dollars in Thousands)

	W. E. Manufactures			Supplies			Total W. E. Manufacturers and Supplies		
	Total	Bell	% Bell of Total	Total	Bell	% Bell of Total	Total	Bell	% Bell of Total
1916	$46,457	$39,793	85.7	$60,530	$34,122	56.4	$106,987	$73,915	69.1
1917	68,342	59,835	87.6	81,998	44,847	54.7	150,340	104,682	69.6
1918	66,986	45,449	67.8	78,240	33,768	43.2	145,226	79,217	54.6
1919	55,657	42,707	76.7	80,065	37,654	47.0	135,722	80,361	59.2
1920	79,406	70,197	88.4	126,706	60,515	47.8	206,112	130,712	63.4
1921	111,614	100,696	90.2	78,151	42,189	54.0	189,765	142,885	75.3
1922	124,915	115,952	92.8	86,026	44,005	51.2	210,941	159,957	75.8
1923	143,643	132,118	92.0	111,534	56,041	50.3	255,177	188,159	73.7
1924	192,021	177,427	92.4	106,260	55,873	52.6	298,281	233,300	78.2
1925	181,653	166,885	91.8	116,076	59,815	51.5	297,729	226,700	76.2
1926	192,237	176,783	92.0	70,868	70,420	99.4	263,105	247,203	94.0
1927	183,106	170,914	93.3	70,618	70,148	99.3	253,724	241,062	95.0
1928	199,562	179,806	90.1	88,369	88,002	99.6	287,931	267,808	93.0
1929	277,715	242,084	87.2	133,235	130,300	97.8	410,950	372,384	90.6
1930	272,880	251,856	92.3	88,598	86,974	98.2	361,478	338,830	93.7
Total	2,196,194	1,972,502	89.8	1,377,274	914,673	66.4	3,573,468	2,887,175	80.8
8 Months 1930	184,808	168,993	91.4	68,970	67,608	98.0	253,778	236,601	93.2
8 Months 1931	114,564	108,293	94.5	38,233	37,862	99.0	152,797	146,155	95.7
Decrease	70,244	60,700	.....	30,737	29,746	.....	100,981	90,446	....
Per Cent Decrease	38.0	35 9	.....	44.5	44.0	.....	39.8	38.2	....

fol. 2997] EXHIBIT A–91

Western Electric Company, Incorporated Book Cost of Plant Facilities (Land, Buildings, Service Equipment, Machinery, Tools, Furniture and Fixtures) with Annual Increases, 1916–1930

(Dollars in Thousands)

	Book Cost	Increase During Year
December 31, 1915	$19,434	
" " 1916	20,843	$1,409
" " 1917	25,046	4,203
" " 1918	27,972	2,926
" " 1919	30,544	2,572
" " 1920	37,838	7,294
" " 1921	45,570	7,732
" " 1922	49,206	3,636
" " 1923	57,366	8,160
" " 1924	71,797	14,431
" " 1925	73,244	1,447
" " 1926	78,208	4,964
" " 1927	86,739	8,531
" " 1928	94,426	7,687
" " 1929	134,564	40,138
" " 1930	163,818	29,254

[fol. 2998] EXHIBIT A–92

Owned Factories of the Western Electric Co., Inc., at June 30, 1931

Location	Date of Erection, Acquisition, or Major Addition	Product Manufactured
Hawthorne Works, Chicago, Ill.	1905	Lead Covered Cable
	1906	" " "
	1907	Telephone Apparatus
	1908	" "
	1909	" "
	1911	" "
	1912	Lead Covered Cable
	1917	Telephone Apparatus
	1920	" "
	1921	" "
	1922	" "
	1923	" "
	1924	" "
	1924	Copper Wire
	1928	Lead Covered Cable
	1929	" " "
Kearny Works, Kearny, N. J.	1925	Lead Covered Cable
	1926	Telephone Apparatus
	1928	" "
	1929	" "
Queensboro Works, Maspeth Station, N. Y.	1929	Telephone Booths and other wood products
Point Breeze Works, Baltimore, Md.	1929	Lead Covered Cable Telephone Apparatus

[fol. 2999] EXHIBIT A–93

Sales, per Cent Net Profits to Sales and per Cent Return on Average Investment, Total Bell Business and Illinois Bell Business for the Period 1916 to 1931, Inclusive

Total Bell Business

Sales	$3,106,710,000
Per Cent Net Profits to Sales	4.9
Per Cent Return on Investment	6.6

Illinois Bell Business

Sales	$209,158,000
Per Cent Net Profits to Sales	5.3
Per Cent Return on Investment	7.0

[fol. 3000] EXHIBIT A–94

Sales, per Cent Net Profits to Sales and per Cent Return on Average Investment, Total Bell Business and Illinois Bell Business for the Period 1916 to 1931, Inclusive

(Dollars in Thousands)

Total Bell Business

	Telephone Apparatus	Lead Covered Cable	Supplies	Total
Sales	$1,668,177	$467,027	$971,506	$3,106,710
Per Cent Net Profits to Sales	7.3	5.2	.6	4.9
Per Cent Return on Investment	7.1	8.1	2.2	6.6

Illinois Bell Business

Sales	$123,654	$31,618	$53,886	$209,158
Per Cent Net Profits to Sales	7.5	5.3	.5	5.3
Per Cent Return on Investment	7.4	8.8	1.8	7.0

[fol. 3001] EXHIBIT A–95

Sales, per Cent Net Profits to Sales and per Cent Return on Average Investment, Total Bell Business and Illinois Bell Business for the Period 1923 to 1931, Inclusive

Total Bell Business

Sales	$2,334,981,000
Per Cent Net Profits to Sales	5.1
Per Cent Return on Investment	7.1

Illinois Bell Business

Sales	$159,557,000
Per Cent Net Profits to Sales	5.4
Per Cent Return on Investment	7.5

[fol. 3002] EXHIBIT A-96

Sales, per Cent Net Profits to Sales and per Cent Return on Average Investment, Total Bell Business and Illinois Bell Business for the Period 1923 to 1931, Inclusive

(Dollars in Thousands)

Total Bell Business

	Telephone Apparatus	Lead Covered Cable	Supplies	Total
Sales	$1,206,388	$364,187	$674,406	$2,334,981
Per Cent Net Profits to Sales	7.5	5.2	.5	5.1
Per Cent Return on Investment	7.7	7.7	2.1	7.1

Illinois Bell Business

Sales	$94,011	$23,989	$41,557	$159,557
Per Cent Net Profits to Sales	7.7	5.2	.3	5.4
Per Cent Return on Investment	8.1	8.3	1.3	7.5

[fol. 3003] EXHIBIT A-97

Sales, per Cent Net Profits to Sales and per Cent Return on Average Investment, Total Bell Business and Illinois Bell Business, Chicago Area, for the Period 1928 to 1931, Inclusive

(Dollars in Thousands)

Total Bell Business

Sales	$1,198,557
Per Cent Net Profits to Sales	4.8
Per Cent Return on Investment	6.3

Illinois Bell Business—Chicago Area

Sales	49,621
Per Cent Net Profits to Sales	4.5
Per Cent Return on Investment	6.3

[fol. 3004] EXHIBIT A-98

Sales, per Cent Net Profits to Sales and per Cent Return on Average Investment, Total Bell Business and Illinois Bell Business, Chicago Area, for the Period 1928 to 1931, Inclusive

(Dollars in Thousands)

Total Bell Business

	Telephone Apparatus	Lead Covered Cable	Supplies	Total
Sales	$650,887	$185,561	$362,109	$1,198,557
Per Cent Net Profits to Sales	6.9	5.8	.3	4.8
Per Cent Return on Investment	6.8	7.4	1.0	6.3

Illinois Bell Business, Chicago Area

Sales	$29,158	$4,765	$15,698	$49,621
Per Cent Net Profits to Sales	6.8	6.1	(.1)	4.5
Per Cent Return on Investment	7.1	8.7	(.4)	6.3

(Here follows Exhibit A-99, side folio 3005).

EXHIBIT A-99

GRAPHIC PRESENTATION OF EXTENT AND EMPLOYMENT OF BELL SYSTEM ASSETS

DECEMBER 31, 1929

AREA OF SQUARES IS PROPORTIONAL TO ASSETS

ASSETS ARE ALSO SHOWN IN DOLLARS

PERCENTAGES (EXCEPT AS NOTED) INDICATE PROPORTION OF COMMON STOCK OWNED BY THE AM TEL AND TEL CO

SHADED PORTION OF AREAS INDICATES OWNERSHIP BY OTHERS

DARK BLUE AREAS INDICATE WHERE LICENSE CONTRACT SERVICES APPLY

LIGHT BLUE AREAS INDICATE COMPANIES WHICH AID A T & T CO IN SERVING LICENSE COMPANIES

BLACK AREAS INDICATE DIRECT WORKING ASSETS OF A T & T CO

AMERICAN TELEPHONE AND TELEGRAPH COMPANY

CASH AND TEMPORARY INVESTMENTS
$ 40,165,351

FURNITURE AND OTHER PROPERTY
$ [illegible]02,052

RECEIVABLES AND MISC
$ 775,775

COMBINED BELL SYSTE
$ 4 74.

ASSETS C COMPA LONG LINES OF THE
$ 4,253

E R P I
$64,749,000
100% W E

BELL LABS
$14,822,568
50% A T & T
50% W E

OTHER SUBSIDIARIES
$ 5,963,268
100% W E CO

B T SECURITIES CO
$19,286,328
100%

CUBAN AMERICAN
$1,719,294
50%

195 & 205 B'WAY
$ 26,931,48[illegible]
83.6%

ASSOCIATED OPERATING COMPANIES IN THE UNITED STATES AND THE BELL TELEPHONE COMPANY OF CANADA

CHESAPEAKE & POTOMAC COMPANIES

$ 67,988,021 33.34 %

$31,729,223
100%

$47,804,416
100%

$28,501,987
100%

$24,081,504
100%

DIAMOND STATE
$ 7,887,684

$45,864,68[illegible]
99.99%

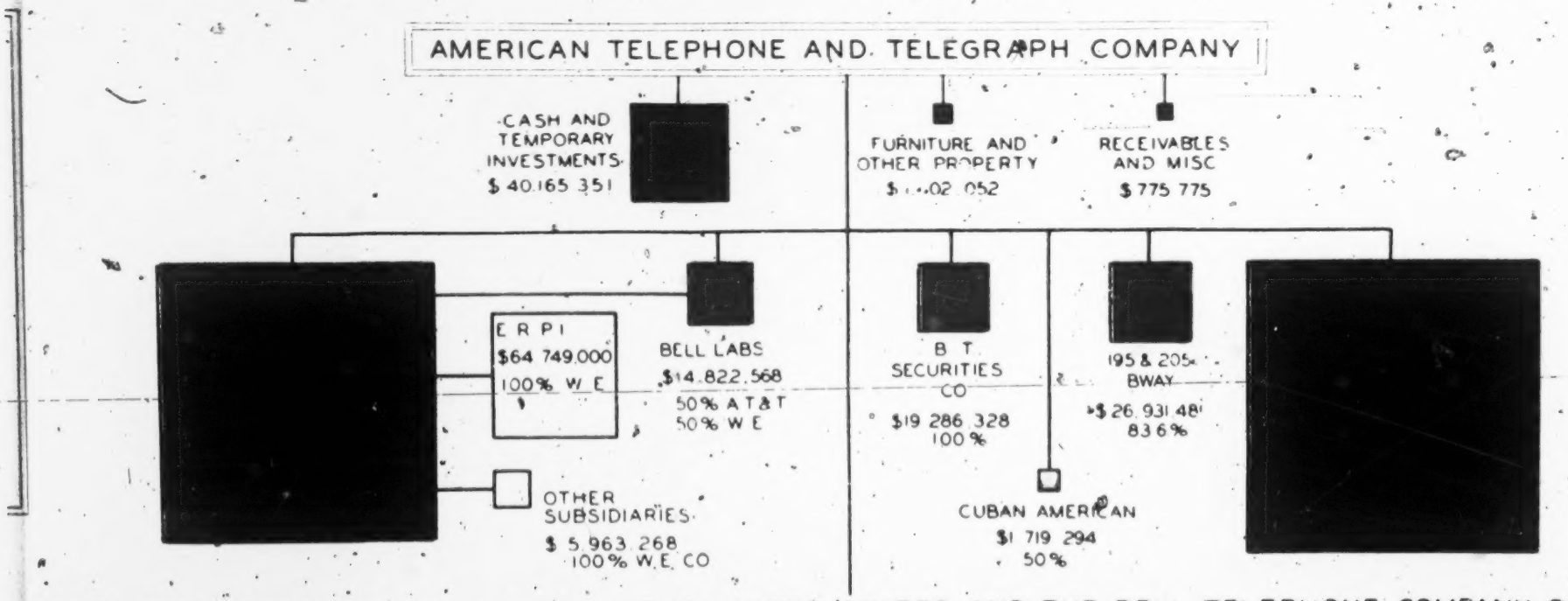
CINN & SUB

$37,728,091
29.71%

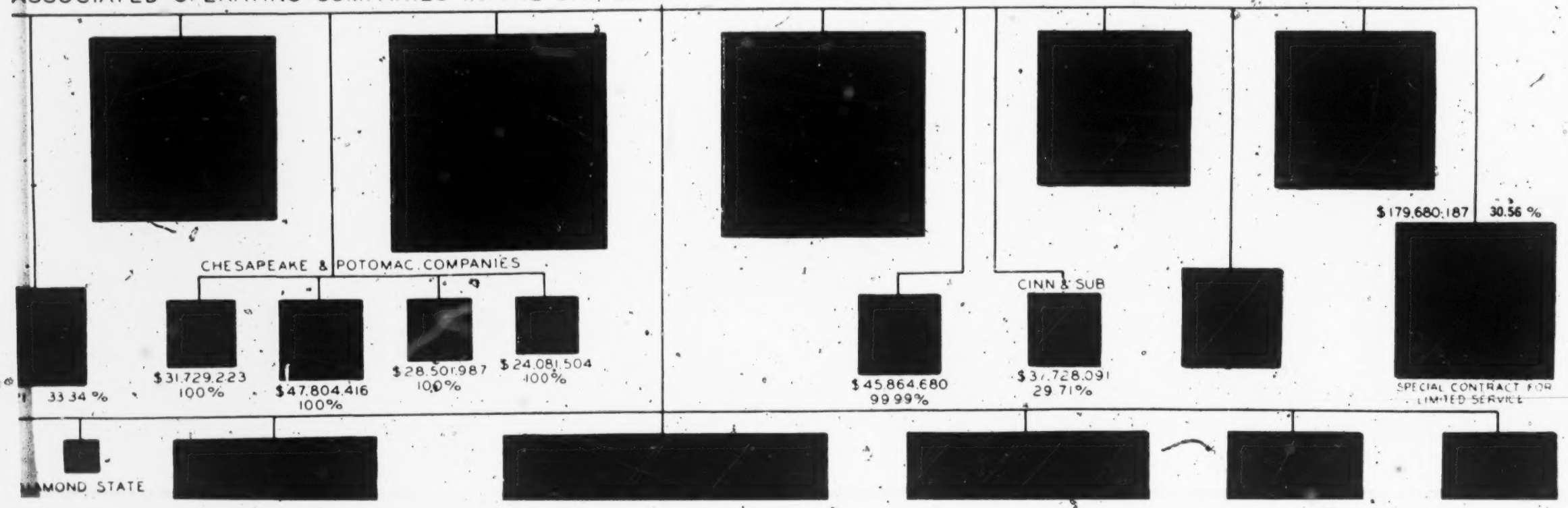
$ 17[illegible]

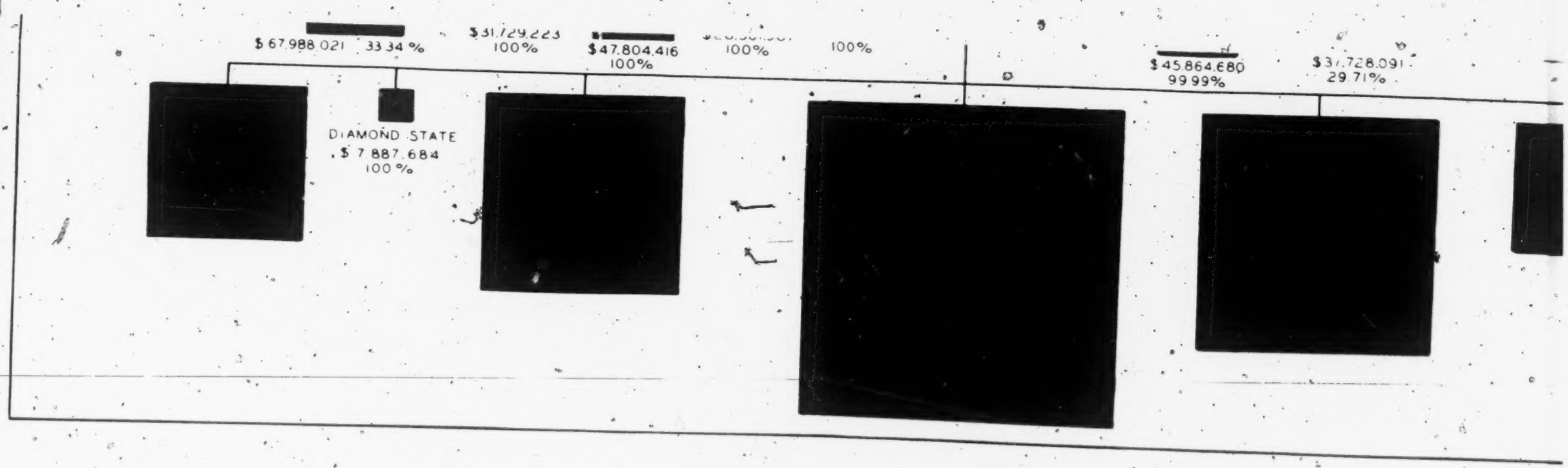
PHIC PRESENTATION OF EXTENT AND EMPLOYMENT OF BELL SYSTEM ASSETS

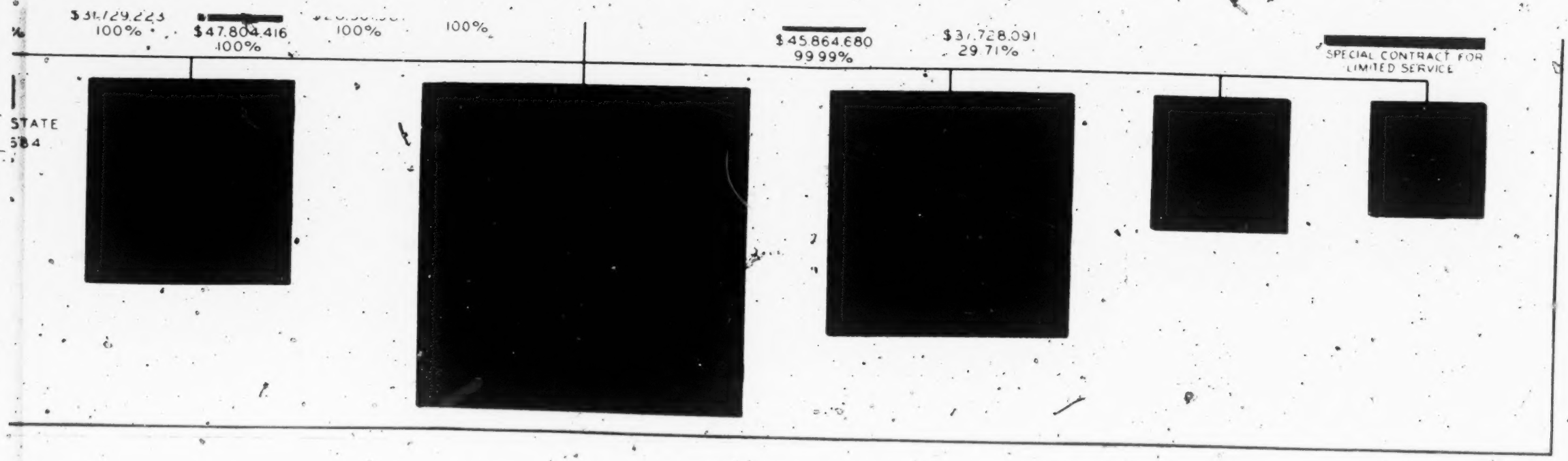
DECEMBER 31 1929



ASSOCIATED OPERATING COMPANIES IN THE UNITED STATES AND THE BELL TELEPHONE COMPANY OF CANADA




$67,988,021 33.34 %
$31,729,223
100%
$47,804,416
100%
100%
100%
$45,864,680
99.99%
$31,728,091
29.71%
DIAMOND STATE
$ 7,887,684
100 %


$34,129,223
100%
$47,804,416
100%
100%
100%
$45,864,680
99.99%
$31,728,091
29.71%
SPECIAL CONTRACT FOR LIMITED SERVICE
STATE
584

[fol. 3006]

EXHIBIT A-100

% Long Lines of Total Associated Operating Companies, Including Long Lines Department and the Bell Telephone Company of Canada

	Long Lines	Total Associated Operating Companies, Long Lines and Bell of Canada	% Long Lines of Total
	Plant in Service		
June 30, 1923	$106,754,270	$1,785,892,407	6.0
" 30, 1924	125,359,671	2,054,099,512	6.1
" 30, 1925	138,633,542	2,361,575,372	5.9
" 30, 1926	150,434,899	2,657,226,222	5.7
" 30, 1927	180,983,696	2,940,006,674	6.2
" 30, 1928	218,082,743	3,199,368,308	6.8
" 30, 1929	264,961,353	3,504,655,454	7.6
" 30, 1930	352,729,332	3,938,948,405	9.0
	Regular Employees		
June 30, 1923	9,317	267,674	3.5
" 30, 1924	9,506	285,478	3.3
" 30, 1925	9,016	291,946	3.1
" 30, 1926	10,926	308,372	3.5
" 30, 1927	12,897	314,634	4.1
" 30, 1928	14,842	324,874	4.6
" 30, 1929	20,907	362,489	5.8
" 30, 1930	21,959	354,316	6.2

Sources of Information

	Plant in Service	Regular Employees
Total Associated Operating Companies	GR 64A	
Long Lines	MR 6	MR 23
Bell of Canada	MR 6	MR 23
Bell System		CR 89 less MR 23—Genl

[fol. 3007]

Per Cent Long Lines of Total Associated Companies, Long Lines, and Bell Telephone Company of Canada

Year	Total Ass'd Operating Companies (a)	Long Lines (b)	Bell of Canada (c)	Total Columns a, b and c (d)	Per Cent Long Lines of Total Ass'd Cos., Long Linesand Bell of Canada b + d (e)
	Total Expenses, "000" Omitted				
1923	$437,070	$27,897	$17,437	$482,404	5.78
1924	486,166	28,697	19,572	534,435	5.37
1925	531,686	31,495	21,234	584,415	5.39
1926	587,170	37,202	24,433	648,805	5.73
1927	642,257	43,057	26,383	711,697	6.05
1928	699,010	52,253	28,628	779,891	6.70
1929	767,493	63,738	31,918	863,149	7.38
1930	804,969	68,934	33,130	907,033	7.60

Sources of Information

Total Expenses (including license Contract Payment)	CR 51A	MR 1	MR 1
less, License Contract Payment)	ICC Annual Reports Acct. 526	Annual Cash Statements, Genl. Dept.	MR 4

[fol. 3008]

% Long Lines of Total Associated Operating Companies, Including Long Lines Department and the Bell Telephone Company of Canada

Toll Plant Investment

	Long Lines	Total Associated Operating Companies, Long Lines and Bell of Canada	% Long Lines of Total
June 30, 1923	$86,364,442	$331,275,763	26.1
" 30, 1924	100,136,957	356,624,282	28.1
" 30, 1925	109,001,640	362,240,522	28.5
" 30, 1926	115,095,564	409,036,516	28.1
" 30, 1927	135,993,922	446,104,704	30.5
" 30, 1926	158,850,559	493,385,069	32.2
" 30, 1929	193,597,835	566,410,437	34.2
" 30, 1930	256,037,716	700,216,255	36.6

Sources of Information

Total Associated Operating Companies ..... CR 64
Long Lines ..... MR 6
Bell of Canada ..... MR 6

[fol. 3009]

% Long Lines of Total Associated Operating Companies, Including Long Lines Department and the Bell Telephone Company of Canada

Year	Long Lines	Total Associated Operating Companies Long Lines and Bell of Canada	% Long Lines of Total
	Total Toll Messages		
1923	30,894,146	559,451,425	5.5
1924	31,583,533	609,822,850	5.2
1925	33,730,930	701,379,030	4.8
1926	33,465,407	793,546,269	4.2
1927	35,645,685	874,150,788	4.1
1928	42,209,356	949,793,409	4.4
1929	49,312,631	1,049,552,934	4.7
1930	50,528,418	982,189,299	5.1
	Toll Board Messages		
1923	30,894,146	234,969,598	13.1
1924	31,583,533	256,125,597	12.3
1925	33,730,930	278,447,475	12.1
1926	33,465,407	288,850,842	11.6
1827	35,645,685	290,218,062	12.3
1928	42,209,356	306,783,271	13.8
1929	49,312,631	348,602,000	14.1
1930	50,528,418	355,911,000	14.2

Sources of Information

A. T. & T. Co. Annual Report to Stockholders.
Bell of Canada Annual Report to Stockholders.
A. T. & T. Co. Report to I. C. C. Schedule 406.

[fol. 3010]

% Long Lines of Total Associated Operating Companies, Including Long Lines and Bell Tel. Co. of Canada

1923

Year 1923	Long Lines	Assoc. Oper. Cos. Long Lines and Bell Tel. Co. of Canada	% Long Lines to Total
Total Messages—Exchange and Toll	30,894,146	15,392,873,488	.2
June 30, 1923			
Total Regular Employees	9,317	267,674	3.5
Total Regular Plant Employees	4,572	76,176	6.0
Total Regular Traffic Employees	4,281	163,670	2.6
Total Plant in Service	$106,754,270	$1,785,892,407	6.0
Exchange and Toll Lines	86,364,442	998,121,193	8.7
Toll Lines	86,364,442	331,275,765	26.1
Central Office Equipment	13,860,277	353,715,709	3.9
Buildings	1,177,312	128,947,679	.9
Land and Buildings	1,266,020	161,919,615	.8
Plant in Service (Excl. Land and Buildings)	105,488,250	1,623,972,792	6.5
Total Company Stations	324	10,392,087	.....

Sources of Information

Employees.....CR 89 and MR 23
Plant.....CR 64A and MR 6
Stations.....CR 51A and MR 1
Messages.....A. T. & T. Co. and Bell of Canada Annual Reports to Stockholders

[fol. 3011]

% Long Lines of Total Associated Operating Companies, Including Long Lines and Bell Tel. Co. of Canada

1930

Year 1930	Long Lines	Assoc. Oper. Cos. Long Lines and Bell Tel. Co. of Canada	% Long Lines to Total
Total Messages—Exchange and Toll	50,528,418	23,515,282,650	.2
June 30, 1930			
Total Regular Employees	21,959	354,316	6.2
Total Regular Plant Employees	13,106	120,195	10.9
Total Regular Traffic Employees	7,831	182,128	4.3
Total Plant in Service	$352,729,332	$3,938,948,405	9.0
Exchange and Toll Lines	256,037,716	1,939,859,716	13.2
Toll Lines	256,037,716	700,216,255	36.6
Central Office Equipment	71,994,364	986,286,782	7.3
Buildings	5,337,994	351,686,561	1.5
Land and Buildings	6,301,179	432,950,752	1.5
Plant in Service (Excl. Land and Buildings)	346,428,153	3,505,997,653	9.9
No. of Morse and Teletypewriter Stations	6,743	14,389	47.
Total Company Stations	76	16,368,365	.....

Sources of Information

Employees	CR 89 and MR 23
Plant	CR 64A and MR 6
Stations	CR 51A, MR 1 and MR 7A and CR 65B
Messages	A. T. & T. Co. and Bell of Canada Annual Reports to Stockholders and I. C. C. Annual Report, Schedule 406

[fol. 3012] EXHIBIT A-101

% Chicago Area of Total Associated Operating Companies (Excluding Long Lines) and Including Bell Telephone Company of Canada

Company Stations

	Chicago Area	Total Associated Operating Companies and Bell Tel. Co. of Canada	% Chicago Area to Total
June 30, 1923	657,435	10,391,763	6.3
June 30, 1924	714,508	11,281,123	6.3
June 30, 1925	758,718	12,128,014	6.3
June 30, 1926	814,515	12,985,765	6.3
June 30, 1927	872,823	13,927,123	6.3
June 30, 1928	914,904	14,707,500	6.2
June 30, 1929	961,122	15,645,243	6.1
June 30, 1930	984,964	16,368,289	6.0

Plant in Service

June 30, 1923	$94,238,639	$1,679,138,137	5.6
June 30, 1924	103,709,064	1,928,739,841	5.4
June 30, 1925	115,463,286	2,222,941,830	5.2
June 30, 1926	131,497,639	2,506,791,323	5.2
June 30, 1927	144,222,924	2,759,022,978	5.2
June 30, 1928	158,194,532	2,981,285,565	5.3
June 30, 1929	172,064,784	3,239,694,101	5.3
June 30, 1930	184,176,238	3,586,219,073	5.1

Sources of Information

	Company Stations	Plant in Service
Total Associated Operating Companies (excluding Long Lines)	CR 51A	CR 64A
Bell of Canada	MR 1	MR 6
Chicago Area	MR 1	MR 6

[fol. 3013]

% Chicago Area of Total Associated Operating Companies (Excluding Long Line and Including Bell Telephone Company of Canada

Regular Employees

	Regular Employees Chicago Area	Regular Employees Total Associated Operating Companies and Bell Tel. Co. of Canada	% Chicago Area to Tota
June 30, 1923	18,012	258,357	7.0
1924	18,584	275,972	6.8
1925	19,403	282,930	6.9
1926	21,199	297,446	7.1
1927	21,094	301,737	7.0
1928	22,268	310,032	7.3
1929	23,127	341,582	6.8
1930	22,258	332,357	6.8

Sources of Information

Total Associated Operating Companies	CR 89 less (MR 23 Genl. (MR 23 Long Lines
Bell of Canada	MR 23
Chicago Area	MR 23

[fol. 3014]

Per Cent Chicago Area of Total Associated Companies (Excluding Long Lines) and Bell Telephone Company of Canada

Year	Total Expenses, "000" Omitted: Total Ass'd Operating Companies (a)	Bell of Canada (b)	Total a and b (c)	Chicago Area (d)	Per Cent Chicago Area of Total Ass'd Cos., and Bell of Canada (e)
1923	$437,070	$17,437	$454,507	$32,732	7.20
1924	486,166	19,572	505,738	34,585	6.84
1925	531,686	21,234	552,920	37,298	6.75
1926	587,170	24,433	611,603	40,698	6.65
1927	642,257	26,383	668,640	43,952	6.57
1928	699,010	28,628	727,638	48,634	6.68
1929	767,493	31,918	799,411	54,005	6.76
1930	804,969	33,130	838,099	55,538	6.63

Sources of Information

Total Expenses (including License Contract Payment	CR 51A	MR 1	Exhibit A49
Less, License Contract Payment	ICC Annual Reports Acct. 526	MR 4	Exhibit A49

EXHIBIT A-108

Allocation to Chicago Area of O. & E. Department Expenses for Services to Associated Companies (Incl. Canada)

Year	Per cent. Chicago Area is of Assoc. Cos. (Incl. Canada)					Expenses of O. & E. in License Services to Assoc. Cos. (Inc. Canada)	
	Stations	Plant Investment	Employees	Expenses	Composite	Total	Allocated to Chicago Area
1923	6.3	5.6	7.0	7.2	6.5	$2,420,623	$157,340
1924	6.3	5.4	6.8	6.8	6.3	2,556,611	161,066
1925	6.3	5.2	6.9	6.8	6.3	2,820,927	177,718
1926	6.3	5.2	7.1	6.7	6.3	3,136,241	197,583
1927	6.3	5.2	7.0	6.6	6.3	3,370,541	212,344
1928	6.2	5.3	7.3	6.7	6.4	3,585,144	229,449
1929	6.1	5.3	6.8	6.8	6.3	3,819,060	240,601
1930	6.0	5.1	6.8	6.6	6.1	4,010,685	244,652

(Here follows Exhibit A-109, side folio 3016)

-A-109V

SALES OF SPECIAL COMMERCIAL PRODUCTS BY WESTERN ELECTRIC COMPANY, INCORPORATED
1916 TO 1931 INCLUSIVE

	Aviation Communication Equipment	Sound Picture Equipment	Permalloy and Related Machinery and Equipment	Phonograph Equipment	Radio Transmitting Equipment	Radio Receiving Equipment	Public Address and Music Reproduction Equipment	Railway Equipment	Power Line Carrier Terminal Apparatus	Scientific Equipment (A)	Engineering, Installation, Rentals and Repairs	Other	Total Special Commercial Products	Total Sales of W.E. Manufacture	Per Cent Special Commercial Products of Total W.E. Manufacture
1916-1919 Inclusive:															
Bell	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 167,764,000	.0
Non-Bell								000,000					000,000	000,000	1.2
Total							.0	000,000					000,000	000,000	.2
1920.															
Bell	0	0	0	0	0	0			0	0	0	0	0	70,197,000	.0
Non-Bell B	0	0	0	0	0	(Included with Other)		000,000	0	0	0	307,000	561,000	000,000	0.1
Total	0	0	0	0	0			000,000	0	0	0	000,000	561,000	70,197,000	.7
1921.															
Bell	0	0	0	0	0	-	-	000,000	0	0	0	000,000	77,804	100,000,000	.1
Non-Bell (B)	0	0	0	0	0	-	-	000,000	0	0	0	000,000	000,000	000,000	5.4
Total	0	0	0	0	0	-	-	000,000	0	0	0	000,000	000,000	000,000	.6
1922.															
Bell	0	0	0	0	14,669	000,000	12,000	000,000		0	(Included with Other)	000,000	87,909	115,000,000	.1
Non-Bell (B)	0	0	111,000	0	000,000	000,000	000,000	000,000	0	0	000,000	000,000	000,000	000,000	11.1
Total	0	0	111,000	0	000,000	000,000	000,000	000,000	0	0	000,000	000,000	000,000	000,000	1.2
1923.															
Bell	0	0	0	0	129,102	336,136	41,911	000,000	0	0	000,000	000,000	574,317	132,118,000	.4
Non-Bell (B)	0	0	303,000	0	264,663	1,447,014	000,000	000,000	0	0	000,000	000,000	000,000	000,000	24.0
Total	0	0	303,000	0	393,765	1,783,150	94,461	000,000	0	0	000,000	000,000	574,079	143,643,000	2.4
1924.															
Bell	0	0	0	0	178,017	374,708	57,761	000,000	0	0	000,000	000,000	781,673	177,427,000	.4
Non-Bell (B)	0	0	243,000	0	849,830	1,486,789	514,717	000,000	0	46,000	000,000	000,000	000,000	000,000	23.0
Total	0	0	243,000	0	1,027,847	1,861,497	572,478	000,000	0	46,000	000,000	000,000	000,000	000,000	2.3
1925.															
Bell	0	0	0	0	125,000	119,000	30,000	000,000	0	0	000,000	000,000	000,000	000,000	.2
Non-Bell (B)	0	0	640,000	0	000,000	000,000	000,000	000,000	0	000,000	000,000	000,000	000,000	000,000	26.9
Total	0	0	640,000	0	000,000	000,000	000,000	000,000	0	000,000	000,000	000,000	000,000	000,000	2.6
1926.															
Bell	0	38,878	12,481	0	19,436	294,652	30,771	000,000	0	000,000	4,905	000,000	000,000	176,782,000	.4
Non-Bell	0	1,171,122	1,188,519	14,000	936,570	1,485,348	186,279	000,000	23,000	74,996	80,095	000,000	000,000	000,000	39.4
Total	0	1,210,000	1,201,000	14,000	956,000	1,780,000	217,000	000,000	23,000	80,000	87,000	000,000	000,000	000,000	2.5
1927.															
Bell	0	25,131	14,925	374	19,212	462,570	22,284	000,000	4,220	000,000	20,552	000,000	000,000	170,914,000	.5
Non-Bell	0	1,969,014	224,907	94,399	213,860	882,767	63,342	000,000	31,859	90,960	109,026	000,000	000,000	000,000	36.0
Total	0	1,994,145	239,832	94,773	233,072	1,345,337	85,626	000,000	36,079	97,740	129,579	000,000	000,000	183,106,000	2.9
1928.															
Bell	0	3,039	5,198	90	(17,367)	211,005	23,915	12,092	294	9,021	29,098	000,000	000,000	179,806,000	.2
Non-Bell	0	7,973,630	42,628	39,586	908,500	426,392	103,584	156,987	22,891	62,873	101,962	000,000	000,000	000,000	52.8
Total	0	7,976,669	48,826	39,976	896,143	637,397	127,439	169,079	23,185	71,894	131,060	000,000	000,000	000,000	5.4
1929.															
Bell	0	84,855	3,156	0	697,853	92,784	148,[illegible]59	15,277	1,332	11,227	291,100	000,000	1,321,980	242,084,000	.6
Non-Bell	4,275	21,993,800	15,948	37,186	1,236,300	239,100	396,969	165,626	7,512	81,981	214,400	000,000	000,000	000,000	68.8
Total	4,275	22,078,655	19,104	37,186	1,934,153	331,884	545,828	181,303	8,844	93,208	505,500	000,000	000,000	277,715,000	9.4
1930.															
Bell	16,100	10,400	2,394	0	386,700	41,900	51,900	7,600	0	10,100	(C)	000,000	000,000	251,856,000	.6
Non-Bell	582,100	8,475,400	5,769	3,826	894,800	148,500	232,300	137,700	507	49,700	(C)	000,000	000,000	000,000	30.7
Total	598,200	8,485,800	8,162	3,826	1,281,500	190,400	284,200	145,300	507	59,800	(C)	000,000	000,000	000,000	4.2
1931.															
Bell	(1,600)	14,500	0	0	278,800	11,500	29,300	3,600	0	13,200	(C)	000,000	000,000	182,702,000	.3
Non-Bell	642,100	1,777,500	0	0	961,300	36,700	286,600	72,300	0	39,100	(C)	000,000	000,000	000,000	43.9
Total	640,500	1,792,000	0	0	1,240,100	48,200	315,900	75,900	0	52,300	(C)	000,000	000,000	000,000	2.5
Summary.															
Bell	14,500	176,803	38,154	464	1,836,426	1,983,248	448,709	111,991	5,846	55,332	383,656	1,605,569	6,640,498	2,138,204,000	.3
Non-Bell	1,128,475	43,360,466	2,775,771	189,297	7,869,949	8,524,091	2,048,526	3,286,128	85,569	535,610	626,483	3,865,165	74,335,530	232,588,000	32.0
Grand Total	1,142,975	43,537,269	2,813,925	189,761	9,706,375	10,507,339	2,497,235	3,398,119	91,415	590,942	990,139	5,470,734	80,976,228	2,367,792,000	3.4
Per Cent of Total W.E. Manufactures	.052	1.839	.119	.008	.410	.444	.105	.144	.004	.025	.042	.228	3.420		

A Including audiometers, stethoscopes, artificial larynxes and other scientific equipment.
B Includes sales to the Supply Department.
C Selling of engineering, installation, rentals and repairs amounting to $584,900 in 1930 and $583,200 in 1931 were not classified as Special Commercial Products.

EXHIBIT A-109

A-109

3016

[fol. 3017] EXHIBIT A-110

Net Profits on Sales of New A. T. & T. Instruments, 1916 to 1926, Inclusive

(Dollars in Thousands)

	Sales	Net Profits on Sales Before Deducting Federal Taxes	Per Cent Net Profits to Sales Before Federal Taxes	Federal Taxes	Net Profits After Deducting Federal Taxes	Per Cent Net Profits to Sales
1926	$5,262	$1,043	19.8	$141	$902	17.2
1925	5,017	624	12.4	85	539	10.8
1924	4,900	975	19.9	117	858	17.5
1923	4,496	698	15.5	79	619	13.8
1922	4,343	894	20.6	112	782	18.0
1921	4,598	1,064	23.1	106	958	20.8
1920	3,853	606	15.7	61	545	14.1
1919	2,530	(187)	(7.4)	0	(187)	(7.4)
1918	2,230	124	5.6	15	109	4.9
1917	2,421	423	17.5	31	392	16.2
1916	2,201	180	8.2	4	176	8.0
	$41,851	$6,444	15.4	751	$5,693	13.6

[fol. 3018] EXHIBIT A-111

% Long Lines Department of Total Associated Operating Companies, Long Lines Department and Bell Telephone Company of Canada

	Long Lines	Total Associated Operating Companies, Long Lines and Bell Tel. Co. of Canada	% Long Lines of Total
Exchange and Toll Lines			
June 30, 1923	$86,364,442	$998,121,193	8.7
" " 1924	100,136,957	1,094,114,581	9.2
" " 1925	109,001,640	1,211,085,689	9.0
" " 1926	115,095,564	1,328,182,792	8.7
" " 1927	135,993,922	1,456,049,780	9.3
" " 1928	158,850,559	1,552,488,595	10.2
" " 1929	193,597,835	1,703,305,492	11.4
" " 1930	256,037,716	1,939,859,716	13.2
" " 1931	286,544,602	2,046,332,918	14.0
Central Office Equipment			
June 30, 1923	$13,860,277	$353,715,709	3.9
" " 1924	17,547,735	453,652,736	3.9
" " 1925	20,999,405	577,190,066	3.6
" " 1926	26,008,678	673,073,831	3.9
" " 1927	33,661,393	753,939,243	4.5
" " 1928	44,590,008	823,227,892	5.4
" " 1929	53,081,575	888,102,943	6.0
" " 1930	71,994,364	986,286,782	7.3
" " 1931	84,025,601	1,071,330,966	7.8

	Long Lines	Total Associated Operating Companies, Long Lines and Bell Tel. Co. of Canada	% Long Lines of Total
Plant in Service less Land and Buildings			
June 30, 1923	$105,488,250	$61,623,972,792	6.5
" " 1924	123,658,267	1,862,290,597	6.6
" " 1925	136,747,451	2,131,226,971	6.4
" " 1926	148,363,095	2,383,383,293	6.2
" " 1927	178,612,785	2,629,022,079	6.8
" " 1928	214,855,143	2,866,965,736	7.5
" " 1929	260,865,457	3,124,230,109	8.3
" " 1930	346,428,153	3,505,997,653	9.9
" " 1931	390,673,492	3,721,151,171	10.5
Plant in Service			
June 30, 1931	$397,791,104	$4,194,639,752	9.5

Source of Information

Total Associated Operating Cos.	CR 64A
Long Lines	M.R. 6
Bell of Canada	M.R. 6

[fol. 3019] EXHIBIT A-112

% Chicago Area of Total Associated Operating Companies (Excluding Long Lines) and Including Bell Tel. Co. of Canada

	Chicago Area	Total Associated Operating Companies and Bell Tel. Co. of Canada	% Chicago Area of Total
Exchange and Toll Lines			
June 30, 1923	$36,087,094	$911,756,751	4.0
" " 1924	39,784,143	993,977,624	4.0
" " 1925	44,789,091	1,102,084,049	4.1
" " 1926	51,048,837	1,213,087,227	4.2
" " 1927	55,822,402	1,320,055,858	4.2
" " 1928	60,380,843	1,393,638,036	4.3
" " 1929	64,413,366	1,509,707,657	4.3
" " 1930	69,360,366	1,683,822,000	4.1
" " 1931	72,898,702	1,759,788,316	4.1
Central Office Equipment			
June 30, 1923	$27,119,185	$339,855,432	8.0
" " 1924	29,655,864	436,105,001	6.8
" " 1925	32,484,664	556,190,661	5.8
" " 1926	39,184,813	647,065,153	6.1
" " 1927	43,474,725	720,277,850	6.0
" " 1928	47,699,022	778,637,884	6.1
" " 1929	53,749,067	835,021,368	6.4
" " 1930	57,300,466	914,292,418	6.3
" " 1931	61,300,843	987,305,365	6.2
Plant in Service Less Land and Buildings			
June 30, 1923	$83,329,463	$1,518,484,542	5.5
" " 1924	92,419,845	1,738,632,330	5.3
" " 1925	102,977,121	1,994,479,520	5.2
" " 1926	118,579,263	2,235,020,198	5.3
" " 1927	130,535,249	2,450,409,294	5.3
" " 1928	144,347,829	2,652,110,593	5.4
" " 1929	157,013,155	2,863,364,652	5.5
" " 1930	167,447,070	3,159,569,500	5.3
" " 1931	175,153,258	3,330,477,679	5.3

	Plant in Service		
June 30, 1931	$192,119,634	$3,796,848,648	5.1
	Company Stations		
June 30, 1931	$962,310	$16,267,882	5.9

Source of information

	Exch. and Toll Lines C. O. Equip. Plant in Service and Plant in Service Less Land and Buildings	Company Stations
Total Assoc. Oper. Cos.	CR 64A	CR 51A
Bell Tel. Co. of Canada	M.R. [illegible]	M.R. 1
Chicago Area	M.R. [illegible]	M.R. 1

[fol. 3020] EXHIBIT A-113

% Chicago Area of Total Associated Operating Com[illegible] Long Lines and Bell Telephone Company of C[illegible]

Plant in Service

	Chicago Area	Total Associated Operating Companies, Plus Long Lines and Bell of Canada	% Chicago Area of Total
June 30, 1923	$94,238,639	$1,785,892,407	5.3
" 30, 1924	103,709,064	2,054,099,512	5.1
" 30, 1925	115,463,286	2,361,575,372	4.9
" 30, 1926	131,497,639	2,657,226,222	5.0
" 30, 1927	144,222,924	2,940,006,674	4.9
" 30, 1928	158,194,532	3,199,368,308	4.9
" 30, 1929	172,064,784	3,504,655,454	4.9
" 30, 1930	184,176,238	3,938,948,405	4.7
" 30, 1931	192,119,634	4,194,630,752	4.6

(Here follow side folios 3021-3042)

EXHIBIT A-114

Chart I.

Consolidation of Charts II, III & IV

COMPARISON WITH BUDGETS OF EXPENDITURES OF DEPARTMENT OF DEVELOPMENT AND RESEARCH AND OF ENGINEERING DEPARTMENT WESTERN ELECTRIC CO.

(NON BELL AND DIRECT SERVICES OTHER THAN DEVELOPMENT EXCLUDED EXCEPT AS NOTED ON CHART IV) - DECEMBER 31, 1923.

		Month of December	Cumulative 12 Months	Budget 1923	Percent of Budget for 12 Mo Expended	Budget for 12 Mo
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$230,158.00	$1,751,091.00			
	Step-by-Step Machine Switching	23,406.	291,510.			
	Fundamental Development Machine Switching	23,402.	253,695.			
	Equipment Editing Engineering	1,613.	6,832.			
	Manual Central Office Equipment	68,698.	530,223.			
	General	2,006.	27,464.			
	TOTAL	343,513.	2,861,047.	$2,623,400.00	109.1	
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	7,384.	44,808.			
	Manual Switchboard Circuits and Apparatus	6,002.	54,294.			
	Machine Switching	8,508.	74,988.			
	Signaling	9,022.	67,061.			
	Test Boards and Testing Equipment	3,835.	30,832.			
	TOTAL	34,751.	271,987.	232,400.	117.0	
PRIVATE BRANCH EXCHANGES	Manual	4,700.	53,902.			
	Machine Switching	4,671.	63,516.			
	Power	136.	1,133.			
	Fundamental	704.	7,716.			
	TOTAL	10,411.	126,267.	168,300.	75.0	
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	Cr. 164.	331,504.			
	Substation Sets	8,242.	77,634.			
	Operators' Sets	291.	2,701.			
	Other Equipment	11,065.	155,289.			
	Maintenance	733.	6,116.			
	TOTAL	20,167.	575,324.	605,900.	94.9	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	22,035.	236,671.			
	Carrier Telephone	30,474.	351,701.			
	Vacuum Tubes	29,197.	211,467.			
	Loading	6,921.	74,464.			
	Cross Induction	6,276.	58,312.			
	Local Circuits	3,220.	20,268.			
	Transformers	1,315.	7,056.			
	Toll Line Transmission Maintenance	545.	8,204.			
	General	3,629.	41,763.			
	TOTAL	103,012.	1,009,906.	950,300.	106.3	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	3,944.	54,322.			
	Direct Current Grounded Telegraph	2,166.	21,707.			
	Carrier Telegraph	6,898.	120,091.			
	Low Frequency A-C. Telegraph	5,974.	140,955.			
	Printing Telegraph	6,269.	64,926.			
	Ocean Cable Telegraph	-	3,306.			
	Relays and General Apparatus and Matters	1,023.	12,159.			
	TOTAL	26,274.	417,466.	501,400.	83.3	
RADIO	Systems	12,844.	63,659.			
	Fundamental Development	89,474.	451,667.			
	Radio Repeaters	-	-			
	Signaling	Cr. 28.	4,584.			
	Apparatus and Equipment	22,050.	149,675.			
	U.S. Government	-	-			
	Radio Regulations and Outside Relations	-	-			
	General	23,905.	92,075.			
	TOTAL	148,245.	761,660.	597,700.	127.4	
OUTSIDE PLANT	Materials	Cr 189,236.	165,774.			
	Cables	116,029.	495,015.			
	Apparatus	4,947.	46,143.			
	General	1,182.	9,364.			
	Methods Development	13.	2,310.			
	TOTAL	Cr. 67,065.	718,606.	845,300.	85.0	
PROTECTION	Central Office					
	Substation					
	Cable					
	General					
	TOTAL	4,190.	40,256.	55,300.	72.8	
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	814.	13,207.			
	Inductive Interference from Power Circuits	9,235.	88,025.			
	Interference from Electric Railroads	2,290.	14,363.			
	Hazards	-	427.			
	Electrolysis	424.	4,595.			
	Interference from Radio	-	75.			
	General	76.	16,889.			
	TOTAL	12,839.	137,581.	147,400.	93.3	
FUNDAMENTAL RESEARCH	Contact Study	5,801.	84,479.			
	Magnetic Iron Study	3,139.	42,811.			
	Telephone Quality Study	11,185.	153,670.			
	Paper Study for Cable	-	116.			
	Transmission Theory	1,326.	16,512.			
	Non-Linear Circuit Elements	-	-			
	General	2,342.	16,343.			
	TOTAL	23,793.	313,931.	373,000.	84.2	
LICENSE CONTRACT SERVICES	Testimony					
	TOTAL	1,787.	19,768.	26,300.	75.2	
CONSOLIDATIONS	TOTAL	1,502.	14,179.	16,900.	83.9	
SPECIAL SERVICES	Loud Speakers	47,093.	271,059.			
	Wire Broadcasting	10,651.	85,525.			
	General	5,818.	66,514.			
	TOTAL	63,562.	423,098.	436,700.	96.9	
MISCELLANEOUS	Cuba Cable	-	Cr. 1,009.			
	Patents and Inventions	5,294.	51,336.			
	Special Work in Connection with Legal Cases	1,678.	14,678.			
	General Data for Guiding Development Work	3,143.	28,979.			
	General	59,884.	672,602.			
	TOTAL	69,999.	766,586.	479,600.	159.8	
	GRAND TOTAL	$796,980.	$8,457,852.	$8,053,900.	105.0	

3022

Chart II.

DEPARTMENT OF DEVELOPMENT AND RESEARCH

COMPARISON OF EXPENDITURES WITH BUDGET - DECEMBER 31, 1923.

(Western Electric Development Bills not included)

		Month of December	Cumulative 12 Months	Budget 1923	Percent of Budget for 12 Mos. Expended	Budget for 12 Months
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 14,298.00	$ 161,456.00			
	Step-by-Step Machine Switching	5,274.	71,424.			
	Fundamental Development Machine Switching	3,543.	26,608.			
	Equipment Editing Engineering	-	-			
	Manual Central Office Equipment	5,736.	69,070.			
	General	1,637.	13,717.			
	TOTAL	33,488.	342,375.	$340,400.00	100.6	
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	9.	396.			
	Manual Switchboard Circuits and Apparatus	4,314.	34,134.			
	Machine Switching	644.	1,777.			
	Signaling	1,400.	16,650.			
	Test Boards and Testing Equipment	1,219.	5,470.			
	TOTAL	7,725.	58,427.	62,400.	93.	
PRIVATE BRANCH EXCHANGES	Manual	1,369.	16,471.			
	Machine Switching	1,020.	13,764.			
	Power	136.	1,362.			
	Fundamental	-	1,291.			
	TOTAL	2,525.	32,859.	28,300.	116.1	
SUBSCRIBER APPARATUS	A. T. & T. Co.'s Instruments	540.	6,576.			
	Substation Sets	1,659.	19,249.			
	Operators' Sets	221.	2,764.			
	Other Equipment	1,364.	13,550.			
	Maintenance	218.	2,127.			
	TOTAL	4,402.	46,916.	64,000.	74.7	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	11,383.	100,382.			
	Carrier Telephone	6,209.	55,476.			
	Vacuum Tubes	572.	7,560.			
	Loading	2,394.	29,172.			
	Cross Induction	1,000.	11,000.			
	Local Circuits	1,000.	20,268.			
	Transformers	1,115.	7,066.			
	Toll Line Transmission Maintenance	547.	5,264.			
	General	264.	1,867.			
	TOTAL	31,083.	353,356.	375,000.	94.2	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	2,422.	28,044.			
	Direct Current Grounded Telegraph	1,218.	18,220.			
	Carrier Telegraph	2,084.	32,...			
	Low Frequency A.C. Telegraph	3,436.	47,736.			
	Printing Telegraph	3,344.	25,610.			
	Ocean Cable Telegraph	-	-			
	Relays and General Apparatus and Patents	1,883.	12,...			
	TOTAL	14,388.	162,...	117,400.		
RADIO	Systems	530.	3,429.			
	Fundamental Development	500.	10,...			
	Radio Repeaters	-	-			
	Coupling	-	-			
	Apparatus and Equipment	-	514.			
	U.S. Government	-	-			
	Radio Regulations and Outside Relations	-	-			
	General	23,945.	94,...			
	TOTAL	24,975.	115,...	85,700.	134.	
OUTSIDE PLANT	Materials	10,560.	101,615.			
	Cables	2,674.	25,759.			
	Apparatus	3,615.	30,091.			
	General	1,789.	6,541.			
	Methods Development	1,...	9,...			
	TOTAL	27,...	179,...	175,000.	97.1	
PROTECTION	Central Office	62.	1,366.			
	Subsection	77.	1,443.			
	Cable	314.	4,361.			
	General	351.	1,368.			
	TOTAL	794.	9,...	21,300.	47....	
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	514.	13,207.			
	Inductive Interference from Power Circuits	9,050.	83,...			
	Interference from Electric Railroads	2,250.	14,342.			
	Hazards	-	42...			
	Electrolysis	434.	4,...			
	Interference from Radio	-	75.			
	General	76.	16,...			
	TOTAL	12,660.	132,...	137,400.	96....	
FUNDAMENTAL RESEARCH	Contact Study	-	-			
	Magnetic Iron Study	-	-			
	Telephone Quality Study	2,203.	15,200.			
	Paper Study for Cable	-	33.			
	Transmission Theory	1,326.	16,512.			
	Non-Linear Circuit Elements	-	-			
	General	2,342.	16,343.			
	TOTAL	5,871.	48,238.	45,000.	107.2	
LICENSES, CONTRACT SERVICES	Testimony	1,458.	19,437.	26,300.	73.9	
	TOTAL	1,458.	19,437.	26,300.	73.9	
CONSOLIDATIONS						
	TOTAL	1,502.	14,179.	16,400.	83.9	
SPECIAL SERVICES	Loud Speakers	699.	15,743.			
	Wire Broadcasting	3,585.	38,682.			
	General	1,341.	20,245.			
	TOTAL	6,625.	74,870.	**76,700.	97.6	
MISCELLANEOUS	Cuba Cable	-	-			
	Patents and Inventions	1,811.	166.			
	Special Work in Connection with Legal Cases	28.	16,858.			
	General Data for Guiding Development Work	3,143.	28.			
	General	5,308.	28,979.			
	TOTAL	10,290.	75,840.			
	GRAND TOTAL	$176,170.00	$1,636,778.00	$1,636,500.00	121.8 / 100.0	

* $15,000 erroneously included in budget under this heading in April - August Statements.

** Does not include any part of special authorization of $5,000 for "Transmission of Pictures".

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Chart III.

WESTERN ELECTRIC ENGINEERING EXPENSE BILLED TO DEPARTMENT OF DEVELOPMENT AND RESEARCH

COMPARISON WITH BUDGET - DECEMBER 31, 1923.

		Month of December	Cumulative 12 Months	Budget 1923	Percent of Budget for 12 Mos. Expended	Budget for 12 Mos
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 4.00	1,573.00			
	Step-by-Step Machine Switching	18,225.	$ 213,854.			
	Fundamental Development Machine Switching	-	-			
	Equipment Editing Engineering	-	-			
	Manual Central Office Equipment	595.	Cr. 1,596.			
	General	Cr. 920.	4,146.			
	TOTAL	17,907.	217,977.	$ 126,000.00	170.3	
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	-	-			
	Manual Switchboard Circuits and Apparatus	-	-			
	Machine Switching	-	-			
	Signaling	-	-			
	Test Boards and Testing Equipment	Cr. 355.	Cr. 768.			
	TOTAL	Cr. 452.	2,401.			
		Cr. 807.	1,633.	5,000.	32.7	
PRIVATE BRANCH EXCHANGES	Manual	8.	1,473.			
	Machine Switching	1,719.	37,451.			
	Power	-	-			
	Fundamental	-	Cr. 249			
	TOTAL	1,727.	38,675.	50,000	77.4	
SUBSTATION EQUIPMENT	A.T. & T. Co.'s Instruments	-	122.			
	Substation Sets	1,186.	2,660.			
	Operators' Sets	-	-			
	Other Equipment	1,343	15 673.			
	Maintenance	496	3,989			
	TOTAL	3 024.	22,444	8,000.	280.6	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	945.	22,280.			
	Carrier Telephone	-	45,069.			
	Vacuum Tubes	26,445.	177,774			
	Loading	2,066	10 026.			
	Cross Induction	216.	1,381			
	Local Circuits	-	-			
	Transformers	-	-			
	Toll Line Transmission Maintenance	-	-			
	General	2,825	33,776.			
	TOTAL	32,497	290,306.	270,000.	107.3	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	-	Cr. 1,816.			
	Direct Current Grounded Telegraph	-	-			
	Carrier Telegraph	-	38,879.			
	Low Frequency A.C. Telegraph	2,535.	93,220.			
	Printing Telegraph	-	-			
	Ocean Cable Telegraph	-	Cr. 778.			
	Relays and General Apparatus and Waiters	2,535.	129,505.	126,000.	102.8	
	TOTAL					
RADIO	Systems	12,314.	40,18			
	Fundamental Development	8.	197,049.			
	Radio Repeaters	-	-			
	Signaling	Cr 28.	4,584			
	Apparatus and Equipment	4,816.	59 963.			
	U.S. Government					
	Radio Regulations and Outside Relations					
	General		Cr 2 207.			
	TOTAL	1 710	289,470.	282,000	102.6	
OUTSIDE PLANT	Materials	1 165	24,874			
	Cables		1,797.			
	Apparatus	6.	313.			
	General	20.	423			
	Methods Development	-	-			
		1,171.	17,207.	40,000.	43.02	
PROTECTION	Central Office	-	-			
	Subscriber	-	-			
	Cable	-	-			
	General	180.	565.			
	TOTAL	180.	565.	8,000.	7.1	
	Depreciation due to Effect of Lightning, etc.	-	-			
	Inductive Interference from Power Circuits	179	4,699.			
INTERFERENCE PREVENTION	Interference from Electrified Railways	-	21.			
	Hazaria	-	-			
	Electrolysis	-	-			
	Interference from Radio	-	-			
	General	-	-			
	TOTAL	179.	4,720.	10,000.	47.2	
FUNDAMENTAL RESEARCH	Contact Study	-	-			
	Magnetic Iron Study	-	-			
	Telephone Quality Study	5,287.	66,007.			
	Paper Study for Cable	-	-			
	Transmission Theory	-	-			
	Non-Linear Circuit Elements	-	-			
	General	-	-			
	TOTAL	5,287.	66,007.	98,000.	67.4	
LISENSE CONTRACT SERVICES	Testimony	331.	331.			
	TOTAL					
CONSOLIDATIONS	TOTAL	-	-			
SPECIAL SERVICES	Loud Speakers	7,865.	58,034.			
	Wire Broadcasting	6,666.	46,643.			
	General	4,477.	46,269.			
	TOTAL	19,008.	150,946.	230,000.	65.6	
MISCELLANEOUS	Cuba Cable	-	-			
	Patents and Inventions	-	Cr. 1,175.			
	Special Work in Connection with Legal Cases	1,650.	14,650.			
	General Data for Guiding Development Work	-	-			
	General	181.	3,717.			
	TOTAL	1,831.	17,192.	12,000.	143.3	
	GRAND TOTAL	$115,580.00	$1,246,976.00	$1,267,000.00	98.4	

Note: Data for these expenditures are obtained by classifying the monthly statements rendered to this Department. This billing includes a certain amount of expense carried over from 1922, and also includes a loading charge of 2-1/2 per cent. on the actual expenditures of the Western Electric Company.

* Includes $22,000 (Estimated billing on pictures for the year) of special authorizations totaling $65,000 for "Transmission of Pictures".

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Chart IV.

WESTERN ELECTRIC COMPANY'S CHARGES TO DEVELOPMENT ACCOUNT

COMPARISON WITH BUDGET - DECEMBER 31, 1923.

		Month of December	Cumulative 12 Months	Budget 1923	Percent of Budget for 12 Mos. Expended	Budget for 12 Mos.
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$216,053.00	$1,589,664.00			
	Step-by-Step Machine Switching	Cr. 33.00	5,762.			
	Fundamental Development Machine Switching	19,859.	227,087.			
	Equipment Editing Engineering	1,613.	6,832.			
	Manual Central Office Equipment	53,327.	463,749.			
	General	1,359.	9,601.			
	TOTAL	292,118.	2,300,695.	$2,155,000.00	106.8	
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	7,375.	44,406.			
	Manual Switchboard Circuits and Apparatus	1,606.	20,160.			
	Machine Switching	7,809.	73,201.			
	Signaling	7,969.	51,139.			
	Test Boards and Testing Equipment	3,068.	22,961.			
	TOTAL	27,829.	211,867.	165,000.	128.4	
PRIVATE BRANCH EXCHANGES	Manual	3,323.	35,958.			
	Machine Switching	2,132.	12,350.			
	Power	-	-			
	Fundamental	704.	6,425.			
	TOTAL	6,159.	54,733.	90,000.	60.8	
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	Cr. 1,004.	326,803.			
	Substation Sets	5,376.	59,015.			
	Operators' Sets	-	-			
	*Other Equipment	8,369.	126,066.			
	Maintenance	-	-			
	TOTAL	12,741.	511,884.	543,000.	94.3	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	9,787.	114,039.			
	Carrier Telephone	24,274.	251,056.			
	Vacuum Tubes	2,150.	25,843.			
	Loading	2,651.	35,266.			
	Cross Induction	-	-			
	Local Circuits	-	-			
	Transformers	-	-			
	Toll Line Transmission Maintenance	-	-			
	General	-	-			
	TOTAL	38,862.	426,804.	385,000.	110.7	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Printing Telegraph	1,317.	31,056.			
	Direct Current Recorded Telegraph	508.	5,797.			
	Carrier Telegraph	1,414.	45,033.			
	Low Frequency A.C. Telegraph	-	-			
	Printing Telegraph	3,925.	39,916.			
	Ocean Cable Telegraph	-	3,300.			
	Relays and General Apparatus and Matters	-	-			
	TOTAL	9,364.	125,106.	205,000.	61.0	
RADIO	Systems	-	30,049.			
	Fundamental Development	75,336.	257,011.			
	Radio Repeaters	-	-			
	Signaling	-	-			
	Apparatus and Equipment	17,234.	89,298.			
	U. S. Government	-	-			
	Radio Beacon Stations and Outside Stations	-	-			
	General	-	-			
	TOTAL	92,500.	357,158.	230,000.	155.3	
OUTSIDE PLANT	Materials	-	-			
	Cables	200,969.Cr.	47,265.			
	Apparatus	113,355.	467,459.			
	General	1,883.	15,939.			
	Methods Development	-	-			
	TOTAL	85,731.Cr.	530,663.	629,400.	84.3	
PROTECTION	Central Office	-	-			
	Substation	-	-			
	Cable	-	-			
	General	-	-			
	TOTAL	3,156.	31,103.	26,000.	119.6	
INTERFERENCE AND PROTECTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	-	-			
	Inductive Interference from Power Circuits	-	-			
	Interference from Electric Railroads	-	-			
	Hazards	-	-			
	Electrolysis	-	-			
	Interference from Radio	-	-			
	General	-	-			
	TOTAL	-	-			
FUNDAMENTAL RESEARCH	Contact Study	5,801.	84,479.			
	Magnetic Iron Study	3,139.	42,811.			
	Telephone Quality Study	3,695.	72,363.			
	Paper Study for Cable	-	33.			
	Transmission Theory	-	-			
	Non-Linear Circuit Elements	-	-			
	General	-	-			
	TOTAL	12,635.	199,686.	230,000.	86.8	
LICENSE CONTRACT SERVICES	Testimony					
	TOTAL					
CONSOLIDATIONS	TOTAL					
SPECIAL SERVICES	Loud Speakers	38,529.	197,282.			
	Wire Broadcasting	-	-			
	General	-	-			
	TOTAL	38,529.	197,282.	130,000.	151.8	
***MISCELLANEOUS	Cuba Cable	-	-			
	Patents and Inventions	3,483.	34,478.			
	Special Work in Connection with Legal Cases	-	-			
	General Data for Guiding Development Work	-	-			
	General	54,395.	593,045.			
	TOTAL	57,878.	627,523.	367,600.	170.7	
	****GRAND TOTAL	$505,230.	$5,573,906.	$5,154,000.	108.1	

*Includes Dry Cells.
**Includes Insulation & Insulating Materials
***Train Dispatching Systems and Submarine Signaling Omitted.
**** Not V.F.Appliances, Train Dispatching Systems and Submarine Signaling Omitted.

Note 1: The larger part of the charges under "Radio" and "Loud Speakers" is to be liquidated against sales outside of the Bell System. On all other items the proportion of the charges to be liquidated on outside sales is small.

Note 2: Data for this sheet are taken from Western Electric Company's Progress Report for December. Changes indicated have been made in the classification of some of the items. These figures are final and replace any preliminary report.

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Chart II

DEPARTMENT OF DEVELOPMENT AND RESEARCH

COMPARISON OF EXPENDITURES WITH BUDGET - DECEMBER 31, 1924

(Western Electric Development Bills not included)

		Expenditures Month of December	Expenditures Cumulative 12 Months	Budget 1924	Percent of Budget for 12 Mo's Expended	Budget for 12 Mos
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 14,205.00	$ 165,086.00			
	Step-by-Step Machine Switching	6,080.	69,191.			
	Fundamental Development Machine Switching	4,262.	49,046.			
	Equipment Editing Engineering	-	-			
	Manual Central Office Equipment	5,839.	85,697.			
	General	1,474.	16,200.			
	TOTAL	31,860.	385,220.	$ 385,400.00	99.9%	
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	15.	314.			
	Manual Switchboard Circuits and Apparatus	3,597.	37,896.			
	Machine Switching	456.	5,072.			
	Signaling	3,342.	26,012.			
	Test Boards and Testing Equipment	968.	16,661.			
	TOTAL	8,378.	85,955.	75,300.	114.2	
PRIVATE BRANCH EXCHANGE	Manual	1,217.	16,319.			
	Machine Switching	1,143.	14,740.			
	Power	36.	1,605.			
	Furnished on Rental	326.	416.			
	TOTAL	2,722.	33,080.	37,600.	88.0	
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	1,712.	18,434.			
	Substation Sets	3,025.	25,425.			
	Operators' Sets	24.	1,748.			
	Other Equipment	1,311.	16,876.			
	Maintenance	101.	2,868.			
	TOTAL	6,173.	65,351.	65,800.	99.3	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	7,092.	70,997.			
	Carrier Telephone	4,933.	62,672.			
	Vacuum Tubes	637.	9,343.			
	Loading	2,132.	26,378.			
	Drops Induction	5,839.	63,020.			
	Local Circuits	2,863.	39,803.			
	Transformers	564.	6,301.			
	Toll Line Transmission Maintenance	1,140.	10,107.			
	General	956.	12,810.			
	TOTAL	26,319.	305,471.	336,200.	90.9	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	1,459.	20,347.			
	Direct Current Grounded Telegraph	1,451.	23,281.			
	Carrier Telegraph	3,256.	44,117.			
	Low Frequency A-C. Telegraph	1,723.	28,520.			
	Printing Telegraph	1,487.	19,552.			
	Ocean Cable Telegraph	-	-			
	Relays and General Apparatus and Matters	1,573.	13,326.			
	TOTAL	10,949.	149,143.	168,300.	88.6	
RADIO	Systems	150.	1,455.			
	Fundamental Development	192.	10,939.			
	Radio Repeaters	-	-			
	Signaling	-	-			
	Apparatus and Equipment	13.	1,022.			
	U.S. Government	-	-			
	Radio Regulations and Outside Relations	25.	9,016.			
	General	51,412.	197,473.			
	TOTAL	51,792.	219,905.	172,100.	127.8	
OUTSIDE PLANT	Materials	9,382.	113,545.			
	Cables	3,567.	38,710.			
	Apparatus	2,191.	28,207.			
	General	940.	10,839.			
	Methods Development	241.	1,774.			
	TOTAL	16,321.	193,075.	182,700.	105.7	
PROTECTION	Central Office	255.	1,981.			
	Substation	452.	2,758.			
	Cable	212.	6,334.			
	General	28.	995.			
	TOTAL	947.	12,068.	19,000.	63.5	
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	1,273.	12,166.			
	Inductive Interference from Power Circuits	26,546.	136,606.			
	Interference from Electric Railroads	999.	22,095.			
	Hazards	--	118.			
	Electrolysis	572.	6,012.			
	Interference from Radio	-	96.			
	General	-	41.			
	TOTAL	29,390.	177,134.	178,100.	99.5	
SPECIAL RESEARCH PROBLEMS	Contact Study	-	-			
	Magnetic Iron Study	-	-			
	Telephone Quality Study	1,008.	16,628.			
	Paper Study for Cable	-	-			
	Transmission Theory	956.	11,496.			
	Non-Linear Circuit Elements	-	-			
	General	2,454.	27,284.			
	TOTAL	4,418.	55,408.	55,900.	99.1	
RATE CASE TESTIMONY	TOTAL	3,573.	29,930.	21,800.	137.3	
CONSOLIDATIONS	TOTAL	1,265.	12,078.	20,400.	59.2	
NEW TYPES OF SERVICES	Loud Speakers	253.	5,200.			
	Wire Broadcasting	2,710.	41,288.			
	Phototelegraphy	3,922.	63,720.			
	General	2,217.	21,030.			
	TOTAL	9,102.	131,238.	88,700.	148.0	
MISCELLANEOUS	Patents and Inventions	1,405.	18,325.			
	Special Work in Connection with Legal Cases	-	-			
	General Data for Guiding Development Work	1,703.	24,533.			
	General	6,957.	75,104.			
	TOTAL	10,065.	117,962.	133,700.	88.2	
	GRAND TOTAL	$213,274.	$1,973,018.	$1,941,000.	101.6	

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Chart III

WESTERN ELECTRIC ENGINEERING EXPENSE BILLED TO DEPARTMENT OF DEVELOPMENT AND RESEARCH

COMPARISON WITH BUDGET - DECEMBER 31, 1924

		Expenditures Month of December	Expenditures Cumulative 12 Months	Budget 1924	Percent of Budget for 12 Mo's Expended	Budget for 12 Mo's
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 3.00	$ 149.00			
	Step-by-Step Machine Switching	-	449.			
	Fundamental Development Machine Switching	-	-			
	Equipment Editing Engineering	-	-			
	Manual Central Office Equipment	-	Cr. 1,647.			
	General	407.	Cr. 1,453.			
	TOTAL	410.	Cr. 2,502.	$ * 13,000.00		
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	-	-			
	Manual Switchboard Circuits and Apparatus	-	-			
	Machine Switching	-	-			
	Signaling	-	Cr. 2,129			
	Test Boards and Testing Equipment	23.	1,513.			
	TOTAL	23.	Cr. 616.	4,000.	-	
PRIVATE BRANCH EXCHANGE	Manual	604.	6,183.			
	Machine Switching	-	440.			
	Power	-	-			
	Fundamental	-	-			
	TOTAL	604.	6,623.	* 2,000.	331.15	
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	-	-			
	Substation Sets	-	42.			
	Operators' Sets	-	-			
	Other Equipment	706.	5,137.			
	Maintenance	1,675.	14,215.			
	TOTAL	2,381.	19,394.	21,000.	92.3	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	1,609.	14,962.			
	Carrier Telephone	7,849.	70,261.			
	Vacuum Tubes	19,656.	198,150.			
	Loading	406.	9,416.			
	Cross Induction	232.	3,569.			
	Local Circuits	-	-			
	Transformers	-	-			
	Toll Line Transmission Maintenance	-	-			
	General	21.	Cr. 6,700.			
	TOTAL	29,773.	289,658.	242,000.	119.7	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	-	Cr. 1.			
	Direct Current Grounded Telegraph	-	-			
	Carrier Telegraph	4,745.	45,148.			
	Low Frequency A-C. Telegraph	1,606.	17,577.			
	Printing Telegraph	-	-			
	Ocean Cable Telegraph	-	-			
	Relays and General Apparatus and Matters	-	-			
	TOTAL	6,351.	62,724.	81,000.	77.4	
RADIO	Systems	5,807.	38,972.			
	Fundamental Development	32,725.	251,149.			
	Radio Repeaters	-	-			
	Signaling	-	-			
	Apparatus and Equipment	8,565.	62,373.			
	U.S. Government	-	-			
	Radio Regulations and Outside Relations	-	-			
	General	-	2,377.			
	TOTAL	47,097.	353,971.	460,000.	76.9	
OUTSIDE PLANT	Materials	3,217.	32,096.			
	Cables	543.	3,137.			
	Apparatus	-	188.			
	General	46.	730.			
	Methods Development	-	-			
	TOTAL	3,806.	36,151.	41,200.	87.7	
PROTECTION	General Office	-	160.			
	Substation	-	1,845.			
	Cable	-	-			
	General	-	-			
	TOTAL	-	2,005.	7,500.	26.7	
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	-	-			
	Inductive Interference from Power Circuits	2,407.	9,483.			
	Interference from Electric Railroads	-	-			
	Hazards	-	-			
	Electrolysis	-	-			
	Interference from Radio	-	-			
	General	-	-			
	TOTAL	2,407.	9,483.	36,000.	26.3	
SPECIAL RESEARCH PROBLEMS	Contact Study	-	-			
	Magnetic Iron Study	-	-			
	Telephone Quality Study	8,136.	69,094.			
	Paper Study for Cable	-	-			
	Transmission Theory	-	-			
	Non-Linear Circuit Elements	-	-			
	General	-	-			
	TOTAL	8,136.	69,094.	70,000.	98.7	
RATE CASE TESTIMONY	TOTAL	-	-	-	-	
CONSOLIDATIONS	TOTAL	822.	822.	-	-	
NEW TYPES OF SERVICES	Loud Speakers	7,720.	77,543.			
	Wire Broadcasting	4,673.	38,518.			
	Phototelegraphy	10,010.	118,961.			
	General	54.	2,937.			
	TOTAL	22,458.	237,959.	143,000.	166.4	
MISCELLANEOUS	Patents and Inventions	-	-			
	Special Work in Connection with Legal Cases	903.	1,856.			
	General Data for Guiding Development Work	-	-			
	General	6,782.	61,740.			
	TOTAL	7,685.	63,596.	33,000.	192.7	
	GRAND TOTAL	$131,953.	$1,148,442.	$1,153,700.	99.5	

* Budget for Step-by-Step Machine Switching Subtracted from Original Budget and Added to W.E Co. Development Account

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Chart I.
Consolidation of Charts II and III.

DEPARTMENT OF DEVELOPMENT AND RESEARCH

COMPARISON OF PRINCIPAL EXPENDITURES WITH BUDGET - YEAR 1925

(Including Bell Telephone Laboratories Bills)

		Expenditures Month of December	Expenditures Cumulative 12 Months	Budget 1925	Per cent. of Budget for 12 Mo's. Expended	Budget for 12 Mo's.
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 11,210.00	$ 107,178.00			
	Step-by-Step Machine Switching	2,023.	68,543.			
	Fundamental Development Machine Switching	4,970.	73,150.			
	Equipment Editing Engineering	-	-			
	Manual Central Office Equipment	8,201.	108,039.			
	General	2,702.	34,430.			
	TOTAL	33,330.	444,010.	$ 85,104.00	91.7%	
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	00.	24.			
	Manual Switchboard Circuits and Apparatus	2,328.	37,909.			
	Machine Switching	1,578.	19,413.			
	Signaling	1,239.	29,131.			
	Test Boards and Testing Equipment	1,450.	23,244.			
	TOTAL	6,095.	109,999.	103,575.	102.3	
PRIVATE BRANCH EXCHANGES	Manual	1,820.	10,302.			
	Machine Switching	571.	13,750.			
	Power	227.	2,000.			
	Fundamental	-	2,100.			
	TOTAL	2,424.	30,000.	30,300.	90.3	
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	1,662.	31,924.			
	Substation Sets	1,050.	29,500.			
	Operators' Sets	925.	5,370.			
	Other Equipment	2,885.	33,926.			
	Maintenance	1,469.	14,519.			
	TOTAL	7,791.	114,319.	101,475.	112.6	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	4,313.	72,007.			
	Carrier Telephone	11,741.	120,421.			
	Vacuum Tubes	23,187.	227,704.			
	Loading	2,720.	42,293.			
	Cross Induction	5,851.	74,453.			
	Local Circuits	530.	11,719.			
	Transformers	715.	8,170.			
	Toll Line Transmission Maintenance	883.	14,414.			
	General	8,040.	54,200.			
	TOTAL	57,980.	632,001.	663,743.	92.5	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	1,191.	22,790.			
	Direct Current Grounded Telegraph	3,066.	35,052.			
	Carrier Telegraph	6,478.	82,244.			
	Low Frequency A-C. Telegraph	3,638.	39,273.			
	Printing Telegraph	4,380.	47,406.			
	Ocean Cable Telegraph	-	-			
	Relays and General Apparatus and Matters	341.	8,722.			
	TOTAL	19,094.	232,293.	299,621.	77.5	
RADIO	Systems	3,580.	24,788.			
	Fundamental Development	32,333.	318,100.			
	Radio Repeaters	-	-			
	Signaling	-	-			
	Apparatus and Equipment	10,643.	83,337.			
	U. S. Government	-	-			
	Radio Regulations and Outside Relations	1,869.	20,991.			
	General	100,445.	304,422.			
	TOTAL	148,892.	751,618.	685,253.	109.6	
OUTSIDE PLANT	Materials	47,635.	183,795.			
	Cables	4,834.	51,833.			
	Apparatus	2,054.	30,350.			
	General	887.	7,374.			
	Methods Development	161.	3,774.			
	TOTAL	25,301.	277,126.	262,617.	105.5	
PROTECTION	Central Office	-	584.			
	Substation	-	1,418.			
	Cable	240.	7,383.			
	General	431.	4,790.			
	TOTAL	671.	14,101.	29,209.	48.3	
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	577.	10,143.			
	Inductive Interference from Power Circuits	14,693.	103,910.			
	Interference from Electric Railroads	1,409.	23,947.			
	Hazards	-	56.			
	Electrolysis	364.	6,277.			
	Interference from Radio	71.	363.			
	General	-	-			
	TOTAL	17,114.	206,732.	216,108.	95.6	
SPECIAL RESEARCH PROBLEMS	Contact Study	-	-			
	Magnetic Iron Study	-	-			
	Telephone Quality Study	12,091.	122,768.			
	Paper Study for Cable	-	-			
	Transmission Theory	214.	4,845.			
	Non-Linear Circuit Elements	-	-			
	General	2,079.	27,953.			
	TOTAL	14,384.	155,566.	142,201.	109.4	
RATE CASE TESTIMONY	TOTAL	1,851.	42,251.	27,127.	155.7	
CONSOLIDATIONS	TOTAL	12.	8,007.	12,952.	62.4	
NEW TYPES OF SERVICES	Loud Speakers	5,899.	48,873.			
	Wire Broadcasting	3,434.	79,894.			
	Phototelegraphy	14,705.	231,288.			
	General	6,400.	63,669.			
	TOTAL	30,440.	423,724.	415,490.	102.0	
MISCELLANEOUS	Patents and Inventions	2,402.	22,993.			
	Special Work in Connection with Legal Cases	-	66.			
	General Data for Guiding Development Work	1,153.	18,812.			
	General	10,364.	114,529.			
	TOTAL	13,919.	156,402.	191,891.	81.5	
	GRAND TOTAL	$379,916.	$3,602,169.	$3,694,785.	97.5	

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CHART II

DEPARTMENT OF DEVELOPMENT AND RESEARCH

COMPARISON OF EXPENDITURES WITH BUDGET - FOR YEAR 1925

(Bell Telephone Laboratories Billing not included)

		Month of December	Cumulative 12 Months	Budget 1925	Per Cent. of Budget for the Year Expended	Budget for 12 Mo.'s
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 11,670.00	165,062.00			
	Step-by-Step Machine Switching	5,625.	68,424.			
	Fundamental Development Machine Switching	4,970.	73,150.			
	Equipment Editing Engineering	-	-			
	Manual Central Office Equipment	8,227.	104,664.			
	General	1,481.	18,159.			
	TOTAL	31,973.	429,459.	$ 461,954.00	93.0%	
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	66.	242.			
	Manual Switchboard Circuits and Apparatus	2,328.	37,965.			
	Machine Switching	1,578.	19,413.			
	Signaling	1,235.	25,131.			
	Test Boards and Testing Equipment	1,488.	23,227.			
	TOTAL	6,695.	105,978.	96,075.	110.3	
PRIVATE BRANCH EXCHANGES	Manual	1,332.	15,978.			
	Machine Switching	571.	13,750.			
	Power	227.	2,666.			
	Fundamental	-	2,108.			
	TOTAL	2,130.	34,502.	37,050.	93.1	
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	1,662.	31,924.			
	Substation Sets	1,050.	25,580.			
	Operators' Sets	925.	5,370.			
	Other Equipment	1,459.	17,828.			
	Maintenance	53	1,472.			
	TOTAL	5,149.	82,174.	79,125.	103.9	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	4,313.	67,525.			
	Carrier Telephone	7,056.	79,318.			
	Vacuum Tubes	459.	14,173.			
	Loading	1,851.	35,962.			
	Cross Induction	5,851.	73,726.			
	Local Circuits	530.	11,715.			
	Transformers	713.	8,176.			
	Toll Line Transmission Maintenance	831.	14,412.			
	General	2,458.	38,508.			
	TOTAL	24,214.	343,515.	380,243.	90.3	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	1,191.	22,796.			
	Direct Current Grounded Telegraph	3,006.	35,852.			
	Carrier Telegraph	3,355.	50,842.			
	Low Frequency A-C. Telegraph	1,646.	17,695.			
	Printing Telegraph	944.	25,416.			
	Ocean Cable Telegraph	-	-			
	Relays and General Apparatus and Matters	341.	8,722.			
	TOTAL	10,543.	161,323.	184,621.	87.4	
RADIO	Systems	-	776.			
	Fundamental Development	-	6,639.			
	Radio Repeaters	-	-			
	Signaling	-	-			
	Apparatus and Equipment	-	15.			
	U. S. Government	-	-			
	Radio Regulations and Outside Relations	1,865.	20,591.			
	General	92,415.	281,690.			
	TOTAL	94,280.	309,711.	225,253.	137.5	
OUTSIDE PLANT	Materials	10,001.	135,448.			
	Cables	2,377.	34,919.			
	Apparatus	2,054.	30,350.			
	General	617.	6,150.			
	Methods Development	161.	3,774.			
	TOTAL	15,810.	210,641.	222,267.	94.8	
PROTECTION	Central Office	-	556.			
	Substation	-	1,418.			
	Cable	51.	5,530.			
	General	413.	2,398.			
	TOTAL	464.	9,902.	19,260.	51.4	
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	577.	10,143.			
	Inductive Interference from Power Circuits	14,693.	163,916.			
	Interference from Electric Railroads	1,409.	23,947.			
	Hazards	-	56.			
	Electrolysis	364.	8,277.			
	Interference from Radio	71.	363.			
	General	-	-			
	TOTAL	17,114.	206,702.	187,108.	110.5	
SPECIAL RESEARCH PROBLEMS	Contact Study	-	-			
	Magnetic Iron Study	-	-			
	Telephone Quality Study	1,918.	29,965.			
	Paper Study for Cable	-	-			
	Transmission Theory	214.	4,845.			
	Non-Linear Circuit Elements	-	-			
	General	2,079.	27,953.			
	TOTAL	4,211.	62,763.	67,261.	93.3	
RATE CASE TESTIMONY	TOTAL	1,851.	42,247.	27,127.	155.7	
CONSOLIDATIONS	TOTAL	12.	8,010.	11,952.	67.0	
NEW TYPES OF SERVICES	Loud Speakers	390.	4,454.			
	Wire Broadcasting	300.	23,914.			
	Phototelegraphy	1,895.	45,786.			
	General	4,815.	37,072.			
	TOTAL	7,400.	111,226.	135,498.	82.1	
MISCELLANEOUS	Patents and Inventions	2,402.	22,993.			
	Special Work in Connection with Legal Cases	-	2.			
	General Data for Guiding Development Work	1,153.	18,812.			
	General	9,168.	83,864.			
	TOTAL	12,723.	125,671.	134,891.	93.2	
	GRAND TOTAL	$234,469.	$2,243,824.	$2,269,685.	98.9	

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CHART III

BELL TELEPHONE LABORATORIES EXPENSE BILLED TO DEPARTMENT OF DEVELOPMENT AND RESEARCH

COMPARISON WITH BUDGET - FOR YEAR 1925

		Expenditures Month of December	Expenditures Cumulative 12 Months	Budget 1925	Per cent. of Budget for 12 Months Expended	Budget for 12 Months
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 48.00	116.00			
	Step-by-Step Machine Switching	-	89.			
	Fundamental Development Machine Switching	-	-			
	Equipment Editing Engineering	-	-			
	Manual Central Office Equipment	34.	2,175.			
	General	1,281.	12,979.			
	TOTAL	1,363.	15,359.	$ 23,150.00	66.3	
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	-	-			
	Manual Switchboard Circuits and Apparatus	-	-			
	Machine Switching	-	-			
	Signaling	-	-			
	Test Boards and Testing Equipment	-	-			
	TOTAL	-	17.			
		-	17.	7,500.	.2	
PRIVATE BRANCH EXCHANGES	Manual	-	-			
	Machine Switching	294.	2,384.			
	Power	-	-			
	Fundamental	-	-			
	TOTAL	294.	2,384.	1,250.	190.7	
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	-	-			
	Substation Sets	-	-			
	Operators' Sets	-	-			
	Other Equipment	-	-			
	Maintenance	1,226.	16,098.			
	TOTAL	1,410.	16,047.			
		2,642.	32,145.	22,350.	143.8	
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	-	5,282.			
	Carrier Telephone	4,685.	47,103.			
	Vacuum Tubes	22,726.	213,591.			
	Loading	869.	9,631.			
	Cross Induction	-	727.			
	Local Circuits	-	-			
	Transformers	-	-			
	Toll Line Transmission Maintenance	-	-			
	General	5,590.	15,752.			
	TOTAL	33,872.	289,086.	303,500.	95.3	
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	-	-			
	Direct Current Grounded Telegraph	-	-			
	Carrier Telegraph	3,123.	31,462.			
	Low Frequency A-C. Telegraph	1,992.	17,576.			
	Printing Telegraph	3,436.	24,990.			
	Ocean Cable Telegraph	-	-			
	Relays and General Apparatus and Matters	-	-			
	TOTAL	8,551.	76,970.	115,000.	61.7	
RADIO	Systems	3,366.	23,932.			
	Fundamental Development	32,333.	314,52.			
	Radio Repeaters	-	-			
	Signaling	-	-			
	Apparatus and Equipment	10,643.	83,342.			
	U. S. Government	-	-			
	Radio Regulations and Outside Relations	-	-			
	General	8,050.	22,732.			
	TOTAL	54,012.	441,50/.	460,000.	96.	
OUTSIDE PLANT	Materials	7,034.	48,347.			
	Cables	2,457.	16,914.			
	Apparatus	-	-			
	General	-	1,224.			
	Methods Development	-	-			
	TOTAL	9,491.	66,485.	40,350.	164.8	
PROTECTION	Central Office	-	28.			
	Subetation	-	-			
	Cable	189.	1,853.			
	General	18.	2,398.			
	TOTAL	207.	4,279.	10,000.	42.8	
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.					
	Inductive Interference from Power Circuits					
	Interference from Electric Railroads					
	Hazards					
	Electrolysis					
	Interference from Radio					
	General					
	TOTAL	-	-	29.000.		
SPECIAL RESEARCH PROBLEMS	Contact Study	-	-			
	Magnetic Iron Study	-	-			
	Telephone Quality Study	10,173.	92,603			
	Paper Study for Cable	-	-			
	Transmission Theory	-	-			
	Non-Linear Circuit Elements	-	-			
	General	-	-			
	TOTAL	10,173.	92,603.	75,000.	123.7	
RATE CASE TESTIMONY	TOTAL	-	4.			
CONSOLIDATIONS	TOTAL	-	77.	1,000.	7.7	
NEW TYPES OF SERVICES	Loud Speakers	5,509.	44,419.			
	Wire Broadcasting	3,134.	55,980.			
	Phototelegraphy	12,810.	185,502.			
	General	1,593.	26,597.			
	TOTAL	23,046.	312,498.	280,000.	111.6	
MISCELLANEOUS	Patents and Inventions	-	-			
	Special Work in Connection with Legal Cases	-	66.			
	General Data for Guiding Development Work	-	-			
	General	1,196.	30,665.			
	TOTAL	1,196.	30,731.	57,000.	54.0	
	GRAND TOTAL	$145,447.	$1,358,345.	$1,425,100.	95.3	

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ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1926

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MO'S			
	MONTH OF DEC.	CUMULATIVE 12 MONTHS	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB. BILLABLE TO A. T. & T. CO	INCURRED BY DEPT OF DEV. & RES.	INCURRED BY BELL TEL LAB BILLABLE TO A. T. & T. CO		
1. CENTRAL OFFICE SYSTEMS AND APPARATUS								
LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 3,676	$ 43,042	$ 3,676	$ -	$ 43,042	$ -		
MANUAL APPARATUS	159	3,990	40	119	199	3,791		
TOTAL MANUAL	3,835	47,032	3,716	119	43,241	3,791		
PANEL MACH SW EQUIPMENT & CIRCUITS	7,669	79,354	7,669	-	79,354	-		
PANEL MACH SW APPARATUS	4,102	40,937	4,102	-	40,937	-		
TOTAL PANEL MACHINE SWITCHING	11,771	120,291	11,771	-	120,291	-		
STEP-BY-STEP MACH SW EQUIPMENT & CIRCUITS	4,853	55,076	4,853	-	55,076	-		
STEP-BY-STEP MACH SW APPARATUS	1,948	16,013	1,948	-	16,013	-		
TOTAL STEP-BY-STEP MACH SW	6,801	71,089	6,801	-	71,089	-		
OTHER MACH SW EQUIPMENT & CIRCUITS	850	4,426	850	-	4,426	-		
OTHER MACH SW APPARATUS	-	-	-	-	-	-		
TOTAL OTHER MACHINE SWITCHING	850	4,426	850	-	4,426	-		
TOLL EQUIPMENT & CIRCUITS	18,335	134,393	18,335	-	134,393	-		
P. B. X. EQUIPMENT & CIRCUITS	2,238	29,744	2,238	-	28,947	797		
POWER EQUIPMENT	3,582	28,075	3,582	-	28,075	-		
TESTING & MAINTENANCE EQUIPMENT & APPARATUS	8,548	74,967	8,548	-	74,967	-		
ENGINEERING ON EQUIPMENT ORDERS	-	-	-	-	-	-		
FUNDAMENTAL STUDIES (A T & T CO ONLY)	6,593	70,732	6,593	-	70,732	-		
MISCELLANEOUS	10,591	95,699	8,476	2,115	78,930	16,769		
TOTAL CLASS 1	73,144	676,448	70,910	2,234	655,091	21,357		
PER CENT REALIZED		113			111	190		
ANNUAL BUDGET		765,000			724,400	40,600		
2. SUBSTATION EQUIPMENT	8,354	51,337	4,142	4,212	31,195	20,142		
PER CENT REALIZED		122			140	94		
ANNUAL BUDGET		62,600			43,600	19,000		
3. OUTSIDE PLANT	38,866	310,798	26,062	12,804	215,394	95,404		
PER CENT REALIZED		84			87	76		
ANNUAL BUDGET		260,600			188,100	72,500		
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS								
TRANSMISSION AND RECEPTION OF SPEECH	5,049	40,162	1,206	3,843	11,351	28,811		
APPARATUS	4,578	66,031	2,967	1,611	35,352	30,679		
TOTAL	9,627	106,193	4,173	5,454	46,703	59,490		
PER CENT REALIZED		99			85	110		
ANNUAL BUDGET		105,300			39,600	65,700		
5. WIRE TRANSMISSION SYSTEMS								
VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	18,880	149,796	15,569	3,311	121,037	28,759		
CARRIER TELEPHONE EQUIPMENT & CIRCUITS	14,775	200,077	9,536	5,239	107,547	92,530		
CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	5,856	82,055	5,587	269	69,574	12,481		
D. C. TELEGRAPH EQUIPMENT	11,038	123,956	6,782	4,256	79,610	44,346		
SUBMARINE CABLE TELEGRAPH EQUIPMENT	-	-	-	-	-	-		
CROSS INDUCTION STUDIES (A T & T CO ONLY)	29,164	106,821	29,164	-	106,821	-		
TOLL TRANSMISSION MAINTENANCE STUDIES (A T & T CO ONLY)	2,924	25,084	2,924	-	25,084	-		
PICTURE TRANSMISSION	15,743	151,220	5,147	10,596	37,121	114,099		
WIRE BROADCASTING	9,650	41,163	3,788	5,862	14,786	26,377		
TELEVISION	2,171	33,420	-	2,171	-	33,420		
GENERAL	5,477	89,581	5,412	65	87,004	2,577		
TOTAL	115,678	1,003,173	83,909	31,769	648,584	354,589		
PER CENT REALIZED		105			95	122		
ANNUAL BUDGET		1,049,800			615,600	434,200		
6. RADIO TRANSMISSION SYSTEMS								
SHIP-TO-SHORE	10,730	4,092	6,536	4,194	7,213	3,121*		
TRANSATLANTIC	168,501	499,631	144,697	23,604	333,742	165,889		
BROADCASTING	229	25,596	183	46	14,380	11,216		
SHORT WAVE	23,346	237,914	5,882	17,464	34,660	203,254		
OTHER RADIO TRANSMITTING SYSTEMS	5,238	35,607	-	5,238	77	35,530		
OTHER RADIO RECEIVING SYSTEMS	5,265	39,951	368	4,897	1,560	38,391		
RADIO REGULATIONS & OUTSIDE RELATIONS (A T & T CO ONLY)	1,437	14,203	1,437	-	14,203	-		
GENERAL	3,131	33,083	3,131	-	32,838	245		
TOTAL	217,877	690,077	162,434	55,443	438,673	451,404		
PER CENT REALIZED		91			77	105		
ANNUAL BUDGET		813,700			338,700	475,000		
7. GENERAL TRANSMISSION APPARATUS								
VACUUM TUBES	29,919	312,793	-	29,919	-	312,793		
LOADING COILS	2,044	22,473	2,044	-	22,473	-		
PHOTO-ELECTRIC CELL	2,700	27,213	-	2,700	-	27,213		
TESTING APPARATUS	849	2,261	-	849	-	2,261		
TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	55	4,442	55	-	4,442	-		
OTHER TRANSMISSION APPARATUS	1,425	10,924	1,235	190	10,236	688		
TOTAL	36,992	360,126	3,334	33,658	37,151	342,975		
PER CENT REALIZED		123			173	118		
ANNUAL BUDGET		467,600			64,100	403,500		
8. OTHER COMMUNICATION SYSTEMS & APPARATUS								
PUBLIC ADDRESS & LOUD SPEAKING SYSTEMS	-	-	-	-	-	-		
TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-	-	-	-	-	-		
POWER LINE CARRIER	-	-	-	-	-	-		
APPARATUS FOR THE HARD OF HEARING	-	-	-	-	-	-		
ELECTRICAL STETHOSCOPE	-	-	-	-	-	-		
PHONOGRAPH RECORDING DISC	-	-	-	-	-	-		
PHONOGRAPH REPRODUCTION - ELECTRICAL	-	-	-	-	-	-		
PHONOGRAPH RECORDING - PHOTOGRAPHIC	616	8,036	-	616	-	8,036		
PHONOGRAPH REPRODUCTION - ACOUSTIC	-	-	-	-	-	-		
SYNCHRONIZED TALKING PICTURES	971	7,052	-	971	-	7,052		
ELECTRICAL DICTATION	-	-	-	-	-	-		
MISCELLANEOUS SCIENTIFIC APPARATUS	-	-	-	-	-	-		
TOTAL	1,589	15,088	-	1,589	-	15,088		
PER CENT REALIZED		62			-	62		
ANNUAL BUDGET		9,300			-	9,300		

* Denotes Credit.

AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

March 21, 1927.
2 Sheets Sheet 2

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1926

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC		CUMULATIVE 12 MOS			
	MONTH OF DEC	CUMULATIVE 12 MONTHS	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO		
9. LEAD COVERED CABLE	$ 8,587	$ 79,279	$ 4,100	$ 4,487	$ 37,799	$ 41,480		
PER CENT REALIZED		92			100	84		
ANNUAL BUDGET		72,700			37,700	35,000		
10. SUBMARINE CABLE	-	-	-	-	-	-		
PER CENT REALIZED		-			-	-		
ANNUAL BUDGET		-			-	-		
11. MATERIALS & PROCESSES	2,677	16,714	-	2,677	-	16,714		
PER CENT REALIZED		48			-	48		
ANNUAL BUDGET		9,000			-	9,000		
12. RESEARCH & DEVELOPMENT OF GENERAL APPLICATION	-	-	-	-	-	-		
PER CENT REALIZED		-			-	-		
ANNUAL BUDGET		-			-	-		
13. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION								
TELEPHONE QUALITY STUDIES (A T & T CO ONLY)	13,142	143,743	2,423	10,719	27,010	116,733		
TRANSMISSION THEORY (A T & T CO ONLY)	2,833	30,762	2,065	768	18,697	12,065		
GENERAL (A T & T CO ONLY)	5,785	44,369	3,034	2,751	29,135	15,234		
TOTAL	21,760	218,874	7,522	14,238	74,842	144,032		
PER CENT REALIZED		94			109	86		
ANNUAL BUDGET		205,900			81,600	124,300		
14. PATENT	3,747	21,386	-	3,747	-	21,386		
PER CENT REALIZED		98			-	98		
ANNUAL BUDGET		21,000			-	21,000		
15. INSPECTION ENGINEERING	-	-	-	-	-	-		
PER CENT REALIZED		-			-	-		
ANNUAL BUDGET		-			-	-		
16. RATE CASE TESTIMONY (A T & T CO ONLY)	1,806	29,580	1,806	-	29,580	-		
PER CENT REALIZED		127			127	-		
ANNUAL BUDGET		37,700			37,700	-		
17. INTERFERENCE PREVENTION AND PROTECTION								
NEGOTIATION AND COOPERATION WITH GOVT REPRESENTATIVES NATIONAL SOCIETIES ETC	500	4,101	500	-	4,101	-		
INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	36,762	163,705	36,762	-	162,658	1,047		
INTERFERENCE FROM ELECTRIC RAILWAYS	19,111	110,612	12,261	6,850	98,511	12,101		
ELECTROLYSIS	190	2,830	190	-	2,830	-		
PROTECTION STUDIES	3,809	29,308	1,341	2,268	11,227	18,081		
GENERAL	-	812	-	-	812	-		
TOTAL	60,172	331,368	51,054	9,118	300,139	31,229		
PER CENT REALIZED		98			96	110		
ANNUAL BUDGET		323,600			289,200	34,400		
18. MISCELLANEOUS								
HISTORICAL MUSEUM	233	6,956	147	86	1,139	5,817		
OTHER	19,105	196,928	19,027	78	191,700	5,228		
TOTAL	19,338	203,884	19,174	164	192,839	11,045		
PER CENT REALIZED		107			105	149		
ANNUAL BUDGET		218,200			201,700	16,500		
TOTAL CLASSES 1 - 18 INCLUSIVE	620,214	4,336,325	438,620	181,594	2,707,990	1,628,335		
PER CENT REALIZED		102			98	108		
ANNUAL BUDGET		4,422,000			2,662,000	1,760,000		

Note: Development and Research figures are for the calendar month of December, 1926.

Bell Telephone Laboratories, Inc. figures for December are for period November 29 to December 31, inclusive.

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PER CENT REALIZED MEANS CUMULATIVE EXPENSE COMPARED WITH THE ANNUAL BUDGET UNDER 100% INDICATES THAT EXPENSE EXCEEDS BUDGET

AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

February 14, 1928
2 Sheets Sheet 1

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1927

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED				
			MONTH OF DEC		CUMULATIVE 12 MOS.		
	MONTH OF DEC	CUMULATIVE 12 MONTHS	INCURRED BY DEPT. OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO	INCURRED BY DEPT. OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A. T. & T. CO	
1. CENTRAL OFFICE SYSTEMS AND APPARATUS							
LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 5,040	$ 49,015	$ 1,216	$ 3,822	$ 24,698	$ 24,317	
MANUAL APPARATUS	744	5,421	-	744	235	5,186	
TOTAL MANUAL	5,784	54,436	1,218	4,566	24,933	29,503	
PANEL MACH SW EQUIPMENT & CIRCUITS	8,967	85,743	8,967	-	85,743	-	
PANEL MACH SW APPARATUS	4,032	41,712	4,032	-	41,712	-	
TOTAL PANEL MACHINE SWITCHING	12,999	127,455	12,999	-	127,455	-	
STEP BY STEP MACH SW EQUIPMENT & CIRCUITS	3,724	44,059	3,724	-	44,059	-	
STEP BY STEP MACH SW APPARATUS	1,342	18,635	1,342	-	18,635	-	
TOTAL STEP BY STEP MACH SW	5,066	62,694	5,066	-	62,694	-	
OTHER MACH SW EQUIPMENT & CIRCUITS	1,349	9,155	1,349	-	9,155	-	
OTHER MACH SW APPARATUS	-	-	-	-	-	-	
TOTAL OTHER MACHINE SWITCHING	1,349	9,155	1,349	-	9,155	-	
TOLL EQUIPMENT & CIRCUITS	16,310	174,515	16,310	-	174,515	-	
P B X EQUIPMENT & CIRCUITS	2,237	26,102	2,237	-	26,102	-	
POWER EQUIPMENT	3,953	32,601	3,953	-	32,601	-	
TESTING & MAINTENANCE EQUIPMENT & APPARATUS	12,201	98,205	6,788	5,413	76,812	21,393	
ENGINEERING ON EQUIPMENT ORDERS	-	-	-	-	-	-	
FUNDAMENTAL STUDIES (A T & T CO ONLY)	4,769	62,684	4,769	-	62,684	-	
MISCELLANEOUS	9,924	120,331	8,381	1,543	97,251	23,080	
TOTAL CLASS 1	74,592	768,178	63,070	11,522	694,202	73,976	
PER CENT REALIZED		99			107	19	
ANNUAL BUDGET		757,700			744,000	13,700	
2. SUBSTATION EQUIPMENT	9,768	83,169	4,564	5,204	42,962	41,207	
PER CENT REALIZED		77			95	58	
ANNUAL BUDGET		64,100			40,000	24,100	
3. OUTSIDE PLANT	48,674	437,158	15,665	33,009	165,349	271,809	
PER CENT REALIZED		101			99	102	
ANNUAL BUDGET		440,200			163,000	277,200	
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS							
TRANSMISSION AND RECEPTION OF SPEECH	4,457	39,965	-	4,457	7,398	32,567	
APPARATUS	10,550	82,093	5,380	5,170	31,952	50,141	
TOTAL	15,007	122,058	5,380	9,627	39,350	82,708	
PER CENT REALIZED		102			127	91	
ANNUAL BUDGET		125,100			50,000	75,100	
5. WIRE TRANSMISSION SYSTEMS							
VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	27,328	194,696	18,009	9,319	124,403	70,293	
CARRIER TELEPHONE EQUIPMENT & CIRCUITS	19,351	174,723	14,101	5,250	122,761	51,962	
CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	7,001	82,127	6,600	401	74,696	7,431	
D C TELEGRAPH EQUIPMENT	10,894	107,331	6,610	4,284	73,901	33,430	
SUBMARINE CABLE TELEGRAPH EQUIPMENT	-	-	-	-	-	-	
CROSS INDUCTION STUDIES (A T & T CO ONLY)	9,600	107,563	9,600	-	107,563	-	
TOLL TRANSMISSION MAINTENANCE STUDIES (A T & T CO ONLY)	1,892	19,071	1,892	-	19,071	-	
PICTURE TRANSMISSION	13,954	146,546	9,816	4,138	75,499	71,047	
WIRE BROADCASTING	217	8,593	217	-	6,328	2,265	
TELEVISION	-	-	-	-	-	-	
GENERAL	26,768	249,604	-	26,768	-	249,604	
TOTAL	11,632	111,319	9,628	2,004	95,692	15,627	
PER CENT REALIZED	126,637	1,201,573	76,473	52,164	699,914	501,659	
ANNUAL BUDGET		96			107	81	
		1,153,600			749,000	404,600	
6. RADIO TRANSMISSION SYSTEMS							
SHIP TO SHORE	7,740	38,206	-	7,740	2,072	36,134	
TRANSATLANTIC	35,592	386,984	21,001	14,591	143,741	243,243	
BROADCASTING	-	1,995	-	-	1,995	-	
SHORT WAVE	41,103	375,252	9,132	31,971	59,202	316,050	
OTHER RADIO TRANSMITTING SYSTEMS	12,258	102,514	-	12,258	-	102,514	
OTHER RADIO RECEIVING SYSTEMS	12,221	91,026	192	12,029	2,850	88,176	
RADIO REGULATIONS & OUTSIDE RELATIONS (A T & T CO ONLY)	2,796	30,138	2,798	-	30,138	-	
GENERAL	2,863	54,145	2,842	21	32,772	21,373	
TOTAL	114,575	1,080,260	35,965	78,610	272,770	807,490	
PER CENT REALIZED		112			120	109	
ANNUAL BUDGET		1,204,700			327,000	877,700	
7. GENERAL TRANSMISSION APPARATUS							
VACUUM TUBES	30,129	284,359	-	30,129	-	284,359	
LOADING COILS	956	22,649	956	-	22,649	-	
PHOTO ELECTRIC CELL	2,199	15,379	-	2,199	-	15,379	
TESTING APPARATUS	839	7,557	-	839	-	7,557	
TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	-	38	-	-	38	-	
OTHER TRANSMISSION APPARATUS	1,878	16,013	1,186	690	12,524	3,489	
TOTAL	36,001	345,995	2,144	33,857	35,211	310,784	
PER CENT REALIZED		122			99	124	
ANNUAL BUDGET		421,800			35,000	386,800	
8. OTHER COMMUNICATION SYSTEMS & APPARATUS							
PUBLIC ADDRESS & LOUD SPEAKING SYSTEMS	-	-	-	-	-	-	
TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-	-	-	-	-	-	
POWER LINE CARRIER	-	-	-	-	-	-	
APPARATUS FOR THE HARD OF HEARING	-	-	-	-	-	-	
ELECTRICAL STETHOSCOPE	-	-	-	-	-	-	
PHONOGRAPH RECORDING DISC	-	-	-	-	-	-	
PHONOGRAPH REPRODUCTION ELECTRICAL	-	-	-	-	-	-	
PHONOGRAPH RECORDING PHOTOGRAPHIC	716	7,008	-	716	-	7,008	
PHONOGRAPH REPRODUCTION ACOUSTIC	-	-	-	-	-	-	
SYNCHRONIZED TALKING PICTURES	-	2,483	-	-	-	2,483	
ELECTRICAL DICTATION	-	-	-	-	-	-	
MISCELLANEOUS SCIENTIFIC APPARATUS	-	-	-	-	-	-	
TOTAL	716	9,491	-	716	-	9,491	
PER CENT REALIZED		161			-	161	
ANNUAL BUDGET		15,300			-	15,300	

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ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1927

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MO'S.			
	MONTH OF DEC.	CUMULATIVE 12 MONTHS	INCURRED BY DEPT. OF DEV & RES.	INCURRED BY BELL TEL LAB BILLABLE TO A. T. & T. CO	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO		
9. LEAD COVERED CABLE	$ 7,019	$ 73,909	$ 3,127	$ 3,892	$ 30,199	$ 43,710		
PER CENT REALIZED		125			123	127		
ANNUAL BUDGET		82,300			37,000	55,300		
10. SUBMARINE CABLE	11,955	96,635	-	11,955	-	96,635		
PER CENT REALIZED		109			-	88		
ANNUAL BUDGET		100,000			20,000	85,000		
11. MATERIALS & PROCESSES	2,336	21,864	-	2,336	-	21,864		
PER CENT REALIZED		126			-	126		
ANNUAL BUDGET		27,600			-	27,600		
12. RESEARCH & DEVELOPMENT OF GENERAL APPLICATION	-	-	-	-	-	-		
PER CENT REALIZED		-			-	-		
ANNUAL BUDGET		-			-	-		
13. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION								
TELEPHONE QUALITY STUDIES (A.T.&T.CO ONLY)	13,743	139,438	1,041	12,702	19,330	120,108		
TRANSMISSION THEORY (A T & T CO. ONLY)	1,932	30,909	1,409	523	20,959	9,950		
GENERAL (A T & T CO ONLY)	6,244	40,619	3,576	2,668	32,088	8,531		
TOTAL	21,919	210,966	6,026	15,893	72,377	138,589		
PER CENT REALIZED		106			111	104		
ANNUAL BUDGET		224,000			80,000	144,000		
14. PATENT	1,234	26,254	-	1,234	-	26,254		
PER CENT REALIZED		62			-	62		
ANNUAL BUDGET		16,400			-	16,400		
15. INSPECTION ENGINEERING	-	-	-	-	-	-		
PER CENT REALIZED		-			-	-		
ANNUAL BUDGET		-			-	-		
16. RATE CASE TESTIMONY (A T & T CO ONLY)	556	16,757	556	-	16,757	-		
PER CENT REALIZED		179			179	-		
ANNUAL BUDGET		30,000			30,000	-		
17. INTERFERENCE PREVENTION AND PROTECTION								
NEGOTIATION AND COOPERATION WITH GOVT REPRESENTATIVES NATIONAL SOCIETIES ETC	525	6,610	408	117	5,103	1,507		
INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	28,424	198,013	28,096	328	195,250	2,763		
INTERFERENCE FROM ELECTRIC RAILWAYS	116,792	433,913	106,763	9,029	375,819	58,094		
ELECTROLYSIS	521	2,224	521	-	2,224	-		
PROTECTION STUDIES	12,236	31,188	12,199	37	24,931	6,257		
GENERAL	20	217	20	-	217	-		
TOTAL	157,518	672,165	148,007	9,511	603,544	68,621		
PER CENT REALIZED		63			64	57		
ANNUAL BUDGET		423,800			385,000	38,800		
18. MISCELLANEOUS								
HISTORICAL MUSEUM	645	6,934	77	568	873	6,061		
OTHER	23,647	242,553	23,009	638	235,256	7,297		
TOTAL	24,292	249,487	23,086	1,206	236,129	13,358		
PER CENT REALIZED		87			87	85		
ANNUAL BUDGET		217,300			206,000	11,300		
TOTAL CLASSES 1-18 INCLUSIVE	654,799	5,415,919	384,063	270,736	2,907,764	2,508,155		
PER CENT REALIZED		98			99	98		
ANNUAL BUDGET		5,318,900			2,866,000	2,452,900		

Note: Development and Research figures are for the calendar month of December, 1927.

Bell Telephone Laboratories, Inc. figures for December are from November 28 to December 31, inclusive.

PER CENT REALIZED MEANS CUMULATIVE EXPENSE COMPARED WITH THE ANNUAL BUDGET UNDER 100% INDICATES THAT EXPENSE EXCEEDS BUDGET

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AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

January 30, 1929

2 Sheets Sheet 1

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1928

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MOS.		• CUMULATIVE SAME PERIOD LAST YEAR	
	MONTH OF DEC	CUMULATIVE 12 MONTHS	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO.	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO
1. CENTRAL OFFICE SYSTEMS AND APPARATUS								
LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 842	$ 21,128	$ 539	$ 303	$ 6,712	$ 14,416	$ 24,698	$ 24,317
MANUAL APPARATUS	257	2,229	-	257	20	2,209	235	5,186
TOTAL MANUAL SYSTEM	1,099	23,357	539	560	6,732	16,625	24,933	29,503
PANEL EQUIPMENT & CIRCUITS	7,588	96,505	7,588	-	96,505	-	85,743	-
PANEL APPARATUS	3,195	46,312	3,195	-	46,312	-	41,712	-
TOTAL PANEL SYSTEM	10,783	142,817	10,783	-	142,817	-	127,455	-
STEP BY STEP EQUIPMENT & CIRCUITS	3,619	38,740	3,619	-	38,740	-	44,059	-
STEP BY STEP APPARATUS	1,181	15,684	1,181	-	15,884	-	18,635	-
TOTAL STEP BY STEP SYSTEM	4,800	54,624	4,800	-	54,624	-	62,694	-
OTHER DIAL SYSTEMS EQUIPMENT & CIRCUITS	226	3,444	226	-	3,444	-	9,155	-
OTHER DIAL SYSTEMS APPARATUS	-	-	-	-	-	-	-	-
TOTAL OTHER DIAL SYSTEMS	226	3,444	226	-	3,444	-	9,155	-
TOLL EQUIPMENT & CIRCUITS	24,719	218,901	24,719	-	218,901	-	174,515	-
P B X EQUIPMENT & CIRCUITS	3,303	39,043	3,303	-	39,043	-	26,102	-
POWER EQUIPMENT	2,644	34,704	2,644	-	34,704	-	32,601	-
TESTING & MAINTENANCE EQUIPMENT & APPARATUS	6,492	84,044	6,459	33	73,951	10,093	76,812	21,393
ENGINEERING ON EQUIPMENT ORDERS	-	-	-	-	-	-	-	-
FUNDAMENTAL STUDIES (A T & T CO ONLY)	5,154	54,391	5,154	-	54,391	-	62,684	-
MISCELLANEOUS	8,231	111,852	8,069	162	101,503	10,349	97,251	23,080
TOTAL CLASS 1	67,451	767,177	66,696	755	730,110	37,067	694,202	73,976
PER CENT OF BUDGET		89			95	37	93	-
ANNUAL BUDGET		866,000			765,000	101,000	744,000	13,700
2. SUBSTATION EQUIPMENT	15,741	124,021	5,382	10,359	61,043	62,978	41,962	41,207
PER CENT OF BUDGET		111			122	102	105	171
ANNUAL BUDGET		112,000			50,000	62,000	40,000	24,100
3. OUTSIDE PLANT	62,363	588,773	16,095	46,268	184,577	404,196	165,349	271,809
PER CENT OF BUDGET		112			103	116	101	98
ANNUAL BUDGET		526,000			179,000	347,000	163,000	277,200
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS								
TRANSMISSION AND RECEPTION OF SPEECH APPARATUS	4,792	47,659	224	4,568	2,253	45,406	7,398	32,567
TOTAL	6,021	81,693	2,145	3,876	31,729	50,164	31,952	50,141
PER CENT OF BUDGET	10,813	129,552	2,369	8,444	33,982	95,570	39,350	82,708
ANNUAL BUDGET		118			87	135	79	110
		110,000			39,000	71,000	50,000	75,100
5. WIRE TRANSMISSION SYSTEMS								
VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	31,247	260,339	22,427	8,820	177,634	82,705	124,403	70,293
CARRIER TELEPHONE EQUIPMENT & CIRCUITS	17,061	194,641	13,896	3,165	161,276	33,365	122,761	51,962
CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	6,444	75,452	5,801	643	66,988	8,464	74,696	7,431
D C TELEGRAPH EQUIPMENT	10,198	111,551	6,332	3,866	81,158	30,393	73,901	33,430
SUBMARINE CABLE TELEGRAPH EQUIPMENT	-	-	-	-	-	-	-	-
CROSS INDUCTION STUDIES (A T & T CO ONLY)	10,181	102,292	10,181	-	102,292	-	107,563	-
TOLL TRANSMISSION MAINTENANCE STUDIES (A T & T CO ONLY)	2,010	24,240	2,010	-	24,240	-	19,071	-
PICTURE TRANSMISSION	11,179	102,124	2,899	8,280	34,481	67,643	75,499	71,047
WIRE BROADCASTING	274	3,699	274	-	3,699	-	6,328	2,265
TELEVISION	10,332	81,418	-	10,332	-	81,418	-	249,604
GENERAL	25,908	162,252	12,396	13,512	108,917	53,335	95,692	15,627
TOTAL	124,834	1,118,008	76,216	48,618	760,685	357,323	699,914	501,659
PER CENT OF BUDGET		87			99	68	93	124
ANNUAL BUDGET		1,291,000			769,000	522,000	749,000	404,600
6. RADIO TRANSMISSION SYSTEMS								
SHIP TO SHORE	5,339	59,370	74	5,265	250	59,120	2,072	36,134
TRANSATLANTIC	17,681	219,074	9,242	8,439	88,478	130,596	143,741	243,243
BROADCASTING	7,707	7,817	7,707	-	7,817	-	1,995	-
SHORT WAVE	45,675	423,902	6,852	39,023	81,693	342,209	59,202	316,050
OTHER RADIO TRANSMITTING SYSTEMS	6,711	58,593	-	6,711	15	58,578	-	102,514
OTHER RADIO RECEIVING SYSTEMS	6,711	57,783	-	6,711	12	57,771	2,850	88,176
RADIO REGULATIONS & OUTSIDE RELATIONS (A T & T CO ONLY)	1,241	16,136	1,241	-	16,136	-	30,138	-
AIRCRAFT COMMUNICATION	25,601	215,949	-	25,691	-	215,949	-	-
GENERAL	1,967	27,251	1,413	554	21,557	5,694	32,772	21,373
TOTAL	118,833	1,085,875	26,529	92,304	215,958	869,917	272,770	807,490
PER CENT OF BUDGET		90			74	95	83	92
ANNUAL BUDGET		1,211,000			292,000	919,000	327,000	877,700
7. GENERAL TRANSMISSION APPARATUS								
VACUUM TUBES	34,251	312,417	-	34,251	-	312,417	-	284,359
LOADING COILS	1,023	14,437	1,023	-	14,437	-	28,649	-
PHOTO ELECTRIC CELL	2,720	29,799	-	2,720	-	29,799	-	15,379
TESTING APPARATUS	943	12,181	-	943	-	12,181	-	7,557
TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	162	2,901	162	-	2,901	-	38	-
OTHER TRANSMISSION APPARATUS	1,077	15,369	981	96	14,460	909	12,524	3,489
TOTAL	40,176	387,104	2,166	38,010	31,798	355,306	35,211	310,784
PER CENT OF BUDGET		89			74	90	101	80
ANNUAL BUDGET		436,000			43,000	393,000	35,000	386,800
8. OTHER COMMUNICATION SYSTEMS & APPARATUS								
PUBLIC ADDRESS & LOUD SPEAKING SYSTEMS	-	1,129	-	-	-	1,129	-	-
TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-	-	-	-	-	-	-	-
POWER LINE CARRIER	-	-	-	-	-	-	-	-
APPARATUS FOR THE HARD OF HEARING	-	-	-	-	-	-	-	-
ELECTRICAL STETHOSCOPE	-	-	-	-	-	-	-	-
PHONOGRAPH RECORDING - DISC	-	-	-	-	-	-	-	-
PHONOGRAPH REPRODUCTION - ELECTRICAL	-	-	-	-	-	-	-	-
PHONOGRAPH RECORDING - PHOTOGRAPHIC	837	6,948	-	837	-	6,948	-	7,008
PHONOGRAPH REPRODUCTION - ACOUSTIC	-	-	-	-	-	-	-	-
SYNCHRONIZED TALKING PICTURES	-	-	-	-	-	-	-	2,483
ELECTRICAL DICTATION	-	-	-	-	-	-	-	-
MISCELLANEOUS SCIENTIFIC APPARATUS	837	8,077	-	837	-	8,077	-	9,491
TOTAL		162				162		62
PER CENT OF BUDGET		5,000				5,000		15,300
ANNUAL BUDGET								

• For comparative purposes only

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AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

January 30, 1929.

2 Sheets Sheet 2

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1928

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MO'S		CUMULATIVE SAME PERIOD LAST YEAR	
	MONTH OF DEC.	CUMULATIVE 12 MONTHS	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A T & T CO.	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A T & T CO.	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A T & T CO.
9. LEAD COVERED CABLE	$ 7,906	$ 72,276	$ 2,932	$ 4,974	$ 33,651	$ 38,625	$ 30,199	$ 43,710
PER CENT OF BUDGET		103			99	107	82	79
ANNUAL BUDGET		70,000			34,000	36,000	37,000	55,300
10. SUBMARINE CABLE								
TELEGRAPH CABLE	-	-						
TELEPHONE CABLE								
INSULATION	12,252	88,843		12,252		88,843		96,635
TOTAL	12,252	88,843	-	12,252	-	88,843	-	96,635
PER CENT OF BUDGET		46				49		114
ANNUAL BUDGET		193,000			10,000	183,000	20,000	85,000
11. MATERIALS & PROCESSES	2,536	24,141	-	2,536	-	24,141	-	21,864
PER CENT OF BUDGET		80				80		79
ANNUAL BUDGET		30,000			-	30,000	-	27,600
12. RESEARCH & DEVELOPMENT OF GENERAL APPLICATION	-	-	-	-	-	-	-	-
PER CENT OF BUDGET								
ANNUAL BUDGET		-			-	-	-	-
13. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION								
TELEPHONE QUALITY STUDIES (A T & T CO ONLY)	13,617	124,908	572	13,045	6,779	118,129	19,330	120,108
TRANSMISSION THEORY (A T & T CO ONLY)	3,985	50,535	3,055	930	23,303	27,232	20,959	9,950
GENERAL (A T & T CO ONLY)	2,595	29,697	2,595	-	29,697	-	32,088	8,531
TOTAL	20,197	205,140	6,222	13,975	59,779	145,361	72,377	138,589
PER CENT OF BUDGET		106			78	125	90	96
ANNUAL BUDGET		193,000			77,000	116,000	80,000	144,000
14. PATENT	1,892	17,263	-	1,892	-	17,263	-	26,254
PER CENT OF BUDGET		56				56		160
ANNUAL BUDGET		31,000			-	31,000	-	16,400
15. INSPECTION ENGINEERING	-	-	-	-	-	-	-	-
PER CENT OF BUDGET								
ANNUAL BUDGET		-			-	-	-	-
16. RATE CASE TESTIMONY (A T & T CO ONLY)	291	13,935	291	-	13,935	-	16,757	-
PER CENT OF BUDGET		70			70		56	
ANNUAL BUDGET		20,000			20,000	-	30,000	-
17. INTERFERENCE PREVENTION AND PROTECTION								
NEGOTIATION AND COOPERATION WITH GOVT REPRESENTATIVES NATIONAL SOCIETIES ETC	857	7,559	857	-	7,559	-	5,103	1,807
INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	26,544	219,997	24,812	1,732	215,240	4,757	195,250	2,763
INTERFERENCE FROM ELECTRIC RAILWAYS	53,661	474,230	51,024	2,637	447,067	27,163	375,819	58,094
ELECTROLYSIS	489	2,164	489	-	2,164	-	2,224	-
PROTECTION STUDIES	1,940	22,475	914	1,026	18,168	4,307	24,931	6,257
GENERAL	7	770	7	-	770	-	219	-
TOTAL	83,498	727,195	78,103	5,395	690,968	36,227	603,544	68,621
PER CENT OF BUDGET		99			98	158	157	177
ANNUAL BUDGET		731,000			708,000	23,000	385,000	38,600
18. MISCELLANEOUS	18,815	211,264	18,758	57	209,494	1,770	236,129	13,358
PER CENT OF BUDGET		81			84	16	115	118
ANNUAL BUDGET		261,000			250,000	11,000	206,000	11,300
19. ENGINEERING SERVICES								
C O EQUIPMENT ANALYZATION	-	-		-		-		
RADIO INSTALLATIONS	-	-		-		-		
PUBLIC ADDRESS INSTALLATIONS	-	-		-		-		
POWER LINE CARRIER INSTALLATIONS	-	-		-		-		
TRANSATLANTIC INSTALLATIONS	1	2,541		1		2,541		
CARD CATALOGUE	-	-		-		-		
MISCELLANEOUS ENGINEERING SERVICES	5,474	40,256		5,474		40,256		
TOTAL	5,475	42,797	-	5,475	-	42,797	-	-
PER CENT OF BUDGET								
ANNUAL BUDGET		-			-	-	-	-
TOTAL CLASSES 1 - 19 INCLUSIVE	593,910	5,611,441	301,759	292,151	3,025,980	2,585,461	2,907,764	2,508,155
PER CENT OF BUDGET		92			94	91	101	102
ANNUAL BUDGET		6,086,000			3,236,000	2,850,000	2,866,000	2,452,800

Note: Development and Research figures are for the calendar month of December, 1928.

Bell Telephone Laboratories, Inc. figures are from November 26 to December 29, Inclusive.

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AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

February 11, 1930.

2 Sheets Sheet 1

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1929

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MO'S		* CUMULATIVE SAME PERIOD LAST YEAR	
	MONTH OF DEC.	CUMULATIVE 12 MONTHS	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO
1. CENTRAL OFFICE SYSTEMS AND APPARATUS								
LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 3,762	$ 42,557	$ 3,686	$ 76	$ 40,388	$ 2,169	$ 6,712	$ 14,416
MANUAL APPARATUS	-	93	-	-	-	93	20	2,209
TOTAL MANUAL SYSTEM	3,762	42,650	3,686	76	40,288	2,262	6,732	16,625
PANEL EQUIPMENT & CIRCUITS	10,335	109,551	10,335	-	109,551	-	96,505	-
PANEL APPARATUS	3,190	33,190	3,190	-	33,190	-	46,312	-
TOTAL PANEL SYSTEM	13,525	142,741	13,525	-	142,741	-	142,817	-
STEP-BY-STEP EQUIPMENT & CIRCUITS	6,048	62,404	6,048	-	62,404	-	38,740	-
STEP-BY-STEP APPARATUS	941	12,514	941	-	12,514	-	15,884	-
TOTAL STEP-BY-STEP SYSTEM	6,989	74,918	6,989	-	74,918	-	54,624	-
OTHER DIAL SYSTEMS EQUIPMENT & CIRCUITS	-	-	-	-	-	-	3,444	-
OTHER DIAL SYSTEMS APPARATUS	-	-	-	-	-	-	-	-
TOTAL OTHER DIAL SYSTEMS	-	-	-	-	-	-	3,444	-
TOLL EQUIPMENT & CIRCUITS	15,023	190,630	15,023	-	190,630	-	218,901	-
P B X EQUIPMENT & CIRCUITS	3,261	37,466	3,261	-	37,466	-	39,043	-
POWER EQUIPMENT	4,153	43,808	4,153	-	43,808	-	34,704	-
TESTING & MAINTENANCE EQUIPMENT & APPARATUS	9,593	108,534	9,286	307	105,306	3,228	73,951	10,093
ENGINEERING ON EQUIPMENT ORDERS	-	-	-	-	-	-	-	-
FUNDAMENTAL STUDIES (A T & T CO ONLY)	3,812	49,686	2,877	935	48,766	920	54,391	-
MISCELLANEOUS	6,008	68,445	5,887	121	65,797	2,648	101,503	10,349
TOTAL CLASS 1	66,126	758,878	64,687	1,439	749,820	9,058	730,110	37,067
PER CENT OF ESTIMATE		99			99	83	95	37
ESTIMATED EXPENSE FOR YEAR		768,000			757,000	11,000	768,000	101,000
2. SUBSTATION EQUIPMENT	9,609	137,920	6,335	3,274	66,795	71,125	81,043	62,978
PER CENT OF ESTIMATE		108			113	103	122	102
ESTIMATED EXPENSE FOR YEAR		128,000			59,000	69,000	66,000	62,000
3. OUTSIDE PLANT	81,449	735,368	16,693	64,756	197,376	537,992	184,577	404,196
PER CENT OF ESTIMATE		102			110	99	103	116
ESTIMATED EXPENSE FOR YEAR		724,000			179,000	545,000	179,000	347,000
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS								
TRANSMISSION AND RECEPTION OF SPEECH APPARATUS	2,009	18,228	329	1,680	1,369	16,859	2,253	45,406
TOTAL	5,421	58,049	2,062	3,359	25,561	32,488	31,729	50,164
PER CENT OF ESTIMATE	7,430	76,277	2,391	5,039	26,930	49,347	33,982	95,570
ESTIMATED EXPENSE FOR YEAR		88			75	96	87	135
		87,000			36,000	51,000	39,000	71,000
5. WIRE TRANSMISSION SYSTEMS								
VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	26,232	209,996	11,216	15,016	128,425	81,571	177,634	82,705
CARRIER TELEPHONE EQUIPMENT & CIRCUITS	38,368	281,359	14,550	23,818	151,814	129,545	161,276	33,365
CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	7,429	94,752	6,958	471	83,960	10,792	66,988	8,464
D C TELEGRAPH EQUIPMENT	11,010	147,290	6,537	4,473	88,349	58,941	81,158	30,393
SUBMARINE CABLE TELEGRAPH EQUIPMENT	-	-	-	-	-	-	-	-
CROSS INDUCTION STUDIES (A T & T CO ONLY)	10,175	117,392	10,175	-	117,392	-	102,292	-
TOLL-TRANSMISSION MAINTENANCE STUDIES (A T & T CO ONLY)	2,175	29,609	2,175	-	29,609	-	24,240	-
PICTURE TRANSMISSION	8,921	85,062	876	8,045	15,931	69,131	34,481	67,643
WIRE BROADCASTING	4,916	66,133	4,916	-	66,133	-	3,699	-
TELEVISION	23,930	135,759	-	23,930	2,734	133,025	-	81,418
GENERAL	74,038	331,785	30,282	43,756	119,886	211,899	108,917	53,335
TOTAL	207,194	1,499,137	87,685	119,509	804,233	694,904	760,685	357,323
PER CENT OF ESTIMATE		113			107	120	99	68
ESTIMATED EXPENSE FOR YEAR		1,327,000			749,000	578,000	769,000	522,000
6. RADIO TRANSMISSION SYSTEMS								
SHIP-TO-SHORE	46,327	176,861	3,119	43,208	11,059	165,802	250	59,120
TRANSATLANT	101,587	429,438	16,012	85,575	114,886	314,552	88,478	130,596
BROADCASTING	-	110	-	-	110	-	7,817	-
SHORT WAVE	102,648	431,992	59,291	43,357	177,770	254,222	81,693	342,209
OTHER RADIO TRANSMITTING SYSTEMS	1,632	32,905	-	1,632	-	32,905	15	58,578
OTHER RADIO RECEIVING SYSTEMS	1,797	34,078	-	1,797	1,005	33,073	12	57,721
RADIO REGULATIONS & OUTSIDE RELATIONS (A T & T CO ONLY)	3,364	24,330	3,364	-	24,330	-	16,136	-
AIRCRAFT COMM'NICATION	57,088	473,021	-	57,088	-	473,021	-	215,949
GENERAL	4,701	35,679	2,895	1,806	27,481	8,198	21,557	5,694
TOTAL	319,144	1,638,414	84,681	234,463	356,641	1,281,773	215,958	869,917
PER CENT OF ESTIMATE		122			125	122	74	95
ESTIMATED EXPENSE FOR YEAR		1,338,000			285,000	1,053,000	292,000	919,000
7. GENERAL TRANSMISSION APPARATUS								
VACUUM TUBES	29,496	275,615	237	29,259	8,118	267,497	-	312,417
LOADING COILS	1,180	14,689	1,180	-	14,689	-	14,437	-
PHOTO-ELECTRIC CELL	1,970	34,805	-	1,970	-	34,805	-	29,799
TESTING APPARATUS	4,672	26,796	848	3,824	11,081	15,715	-	12,181
TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	-	-	-	-	-	-	2,901	-
OTHER TRANSMISSION APPARATUS	2,223	18,501	805	1,418	8,892	9,609	14,460	909
TOTAL	39,541	370,406	3,070	36,471	42,780	327,626	31,798	355,306
PER CENT OF ESTIMATE		81			78	81	74	90
ESTIMATED EXPENSE FOR YEAR		458,000			55,000	403,000	43,000	393,000
8. OTHER COMMUNICATION SYSTEMS & APPARATUS								
PUBLIC ADDRESS & LOUD SPEAKING SYSTEMS	-	1,271	-	-	1,013	258	-	1,129
TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-	-	-	-	-	-	-	-
POWER LINE CARRIER	-	-	-	-	-	-	-	-
APPARATUS FOR THE HARD OF HEARING	-	-	-	-	-	-	-	-
ELECTRICAL STETHOSCOPE	-	-	-	-	-	-	-	-
PHONOGRAPH RECORDING-DISC	-	-	-	-	-	-	-	-
PHONOGRAPH REPRODUCTION-ELECTRICAL	-	-	-	-	-	-	-	-
PHONOGRAPH RECORDING-PHOTOGRAPHIC	-	-	-	-	-	-	-	-
PHONOGRAPH REPRODUCTION-ACOUSTIC	-	-	-	-	-	-	-	6,948
SYNCHRONIZED TALKING PICTURES	-	-	-	-	-	-	-	-
ELECTRICAL DICTATION	2,477	11,245	-	2,477	-	11,245	-	-
MISCELLANEOUS SCIENTIFIC APPARATUS	-	-	-	-	-	-	-	-
TOTAL	2,477	12,516	-	2,477	1,013	11,503	-	8,077
PER CENT OF ESTIMATE		46			51	45		162
ESTIMATED EXPENSE FOR YEAR		27,000			2,000	25,000	-	5,000

* For comparative purposes only.

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AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

February 11, 1930.

2 Sheets Sheet 2

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1929

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MO'S		CUMULATIVE SAME PERIOD LAST YEAR	
	MONTH OF DEC.	CUMULATIVE 12 MONTHS	INCURRED BY DEPT. OF DEV & RES	INCURRED BY BELL TEL. LAB. BILLABLE TO A T & T CO	INCURRED BY DEPT. OF DEV & RES	INCURRED BY BELL TEL. LAB. BILLABLE TO A T & T CO	INCURRED BY DEPT. OF DEV & RES	INCURRED BY BELL TEL. LAB. BILLABLE TO A T & T CO
9. LEAD COVERED CABLE	$ 12,518	$ 79,864	$ 6,651	$ 5,867	$ 40,669	$ 39,195	$ 33,651	$ 38,625
PER CENT. OF ESTIMATE		96			120	80	99	107
ESTIMATED EXPENSE FOR YEAR		83,000			34,000	49,000	34,000	36,000
10. SUBMARINE CABLE								
TELEGRAPH CABLE	-	-	-	-	-	-		-
TELEPHONE CABLE	65,085	518,871	1,403	63,682	22,123	496,748		88,843
INSULATION	-	-	-	-	-	-		-
TOTAL	65,085	518,871	1,403	63,682	22,123	496,748	-	88,843
PER CENT. OF ESTIMATE		179			138	181		49
ESTIMATED EXPENSE FOR YEAR		290,000			16,000	274,000	10,000	183,000
11. MATERIALS & PROCESSES	3,918	35,180	-	3,918	-	35,180	-	24,141
PER CENT. OF ESTIMATE		93				93		80
ESTIMATED EXPENSE FOR YEAR		38,000			-	38,000	-	30,000
12. RESEARCH & DEVELOPMENT OF GENERAL APPLICATION	-	-	-	-	-	-	-	-
PER CENT. OF ESTIMATE								
ESTIMATED EXPENSE FOR YEAR		-			-	-	-	-
13. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION								
TELEPHONE QUALITY STUDIES (A.T.&T.CO. ONLY)	10,780	124,145	1,060	9,720	16,005	108,140	6,779	118,129
TRANSMISSION THEORY (A.T.&T CO. ONLY)	4,768	51,483	1,343	3,425	16,926	34,557	23,303	27,232
GENERAL (A.T.&T.CO. ONLY)	4,353	42,512	3,032	1,321	33,597	8,915	29,697	-
TOTAL	19,901	218,140	5,435	14,466	66,528	151,612	59,779	145,361
PER CENT. OF ESTIMATE		102			115	97	78	125
ESTIMATED EXPENSE FOR YEAR		214,000			58,000	156,000	77,000	116,000
14. PATENT	3,154	20,897	-	3,154	-	20,897	-	17,263
PER CENT. OF ESTIMATE		116				116		56
ESTIMATED EXPENSE FOR YEAR		18,000			-	18,000	-	31,000
15. INSPECTION ENGINEERING	-	-	-	-	-	-	-	-
PER CENT. OF ESTIMATE								
ESTIMATED EXPENSE FOR YEAR		-			-	-	-	-
16. RATE CASE TESTIMONY (A.T.&T.CO. ONLY)	17	10,242	17	-	10,242	-	13,935	-
PER CENT. OF ESTIMATE		205			205		70	
ESTIMATED EXPENSE FOR YEAR		5,000			5,000	-	20,000	-
17. INTERFERENCE PREVENTION AND PROTECTION								
NEGOTIATION AND COOPERATION WITH GOVT. REPRESENTATIVES, NATIONAL SOCIETIES ETC.	1,263	9,050	1,263	-	9,050	-	1,559	-
INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	57,881	330,580	53,643	4,238	307,211	23,369	215,240	4,757
INTERFERENCE FROM ELECTRIC RAILWAYS	26,304	350,185	26,087	217	340,628	9,557	447,067	27,163
ELECTROLYSIS	663	5,906	663	-	5,906	-	2,164	-
PROTECTION STUDIES	2,025	29,118	780	1,245	22,189	6,929	18,168	4,307
GENERAL	-	319	-	-	319	-	770	-
TOTAL	88,136	725,158	82,436	5,700	685,303	39,855	690,968	36,227
PER CENT. OF ESTIMATE		90			86	-	98	158
ESTIMATED EXPENSE FOR YEAR		808,000			795,000	13,000	708,000	23,000
18. MISCELLANEOUS	29,372	232,343	25,195	4,177	222,996	9,347	209,494	1,770
PER CENT. OF ESTIMATE		97			94	-	84	16
ESTIMATED EXPENSE FOR YEAR		239,000			336,000	3,000	250,000	11,000
19. ENGINEERING SERVICES								
C.O. EQUIPMENT ANALYZATION		-				-		-
RADIO INSTALLATIONS		-				-		-
PUBLIC ADDRESS INSTALLATIONS		-				-		-
POWER LINE CARRIER INSTALLATIONS		-				-		-
TRANSATLANTIC INSTALLATIONS		-				-		2,541
CARD CATALOGUE		-				-		-
MISCELLANEOUS ENGINEERING SERVICES		44,390				44,390		40,256
TOTAL	-	44,390	-	-	-	44,390	-	42,797
PER CENT. OF ESTIMATE		114				114		
ESTIMATED EXPENSE FOR YEAR		39,000			-	39,000	-	-
TOTAL CLASSES 1 - 19 INCLUSIVE	955,071	7,114,001	386,679	568,392	3,293,449	3,820,552	3,025,980	2,585,461
PER CENT. OF ESTIMATE		108			101	115	94	91
ESTIMATED EXPENSE FOR YEAR		6,591,000			3,266,000	3,325,000	3,236,000	2,850,000

Note: Development and Research figures are for the calendar month of December, 1929.

Bell Telephone Laboratories, Inc. figures for December are from November 25 to December 31, 1929, inclusive.

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AMERICAN TELEPHONE AND TELEGRAPH CO.
Department of
Development & Research

February 10, 1931.

2 Sheets Sheet 1

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1930

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MO'S.		*CUMULATIVE SAME PERIOD LAST YEAR	
	MONTH OF DEC.	CUMULATIVE 12 MONTHS	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A. T. & T. CO.	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A. T. & T. CO.	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A. T. & T. CO.
1. CENTRAL OFFICE SYSTEMS AND APPARATUS								
1.01 LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 3,860	$ 44,194	$ 3,860	$ -	$ 44,121	$ 73	$ 40,388	$ 2,169
1.02 MANUAL APPARATUS	1,063	14,723	1,063	-	14,723	-	-	93
TOTAL MANUAL SYSTEM	4,923	58,917	4,923	-	58,844	73	40,388	2,262
1.03 PANEL EQUIPMENT & CIRCUITS	8,461	99,949	8,461	-	99,949	-	109,551	-
1.04 PANEL APPARATUS	2,371	31,911	2,371	-	31,911	-	33,190	-
TOTAL PANEL SYSTEM	10,832	131,860	10,832	-	131,860	-	142,741	-
1.05 STEP-BY-STEP EQUIPMENT & CIRCUITS	6,243	69,294	6,243	-	69,294	-	62,404	-
1.06 STEP-BY-STEP APPARATUS	954	14,189	954	-	14,189	-	12,514	-
TOTAL STEP-BY-STEP SYSTEM	7,197	83,483	7,197	-	83,483	-	74,918	-
1.07 OTHER DIAL SYSTEMS EQUIPMENT & CIRCUITS	-	62	-	-	62	-	-	-
1.08 TOLL EQUIPMENT & CIRCUITS	15,594	206,243	15,594	-	206,243	-	190,630	-
1.09 P B X EQUIPMENT & CIRCUITS	4,035	45,901	4,035	-	45,901	-	37,466	-
1.10 POWER EQUIPMENT	6,487	84,369	6,100	387	74,809	9,560	43,808	-
1.11 TESTING & MAINTENANCE EQUIPMENT & APPARATUS	8,587	105,451	8,516	71	104,687	764	105,306	3,228
1.12 ENGINEERING ON EQUIPMENT ORDERS	-	309	-	-	309	-	-	-
1.13 FUNDAMENTAL STUDIES (A. T. & T. CO. ONLY)	2,451	36,373	2,451	-	34,755	1,618	48,766	930
1.20 MISCELLANEOUS	12,273	76,993	3,546	8,727	46,112	30,881	65,797	2,648
TOTAL CLASS 1	72,379	829,961	63,194	9,185	787,065	42,896	749,820	9,056
PER CENT. OF ESTIMATE		96			94	145	99	83
ESTIMATED EXPENSE FOR YEAR		866,600			837,000	29,600	757,000	11,000
2. SUBSTATION EQUIPMENT	14,001	138,914	5,789	8,212	66,036	72,878	66,795	71,125
PER CENT. OF ESTIMATE		91			122	74	113	103
ESTIMATED EXPENSE FOR YEAR		152,600			54,000	98,600	59,000	69,000
3. OUTSIDE PLANT	79,119	823,587	18,874	60,245	223,352	600,235	197,376	537,992
PER CENT. OF ESTIMATE		88			109	82	110	99
ESTIMATED EXPENSE FOR YEAR		938,900			205,000	733,900	179,000	545,000
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS								
4.01 TRANSMISSION AND RECEPTION OF SPEECH	11,753	91,364	1,256	10,497	17,207	74,157	1,369	16,859
4.02 APPARATUS	6,701	76,718	2,951	3,750	27,584	49,134	25,561	32,488
TOTAL	18,454	168,082	4,207	14,247	44,791	123,291	26,930	49,347
PER CENT. OF ESTIMATE		93			102	90	75	96
ESTIMATED EXPENSE FOR YEAR		181,300			44,000	137,300	36,000	51,000
5. WIRE TRANSMISSION SYSTEMS								
5.01 VOICE-FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	70,977	405,926	25,543	45,434	214,514	191,412	128,425	81,571
5.02 CARRIER TELEPHONE EQUIPMENT & CIRCUITS	14,244	174,608	9,635	4,609	133,453	41,155	151,814	129,545
5.03 CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	7,828	89,606	6,294	1,534	72,647	16,959	83,960	10,792
5.04 CARRIER ON CABLE	65,623	745,812	3,494	62,129	29,239	716,573	-	-
5.05 D. C. TELEGRAPH EQUIPMENT	26,798	208,784	9,976	16,822	116,583	92,201	88,349	58,941
5.06 SUBMARINE CABLE TELEGRAPH EQUIPMENT	120	3,899	120	-	3,899	-	-	-
5.07 CROSS INDUCTION STUDIES (A. T. & T. CO. ONLY)	21,496	163,002	21,496	-	163,002	-	117,392	-
5.08 TOLL TRANSMISSION MAINTENANCE STUDIES (A. T. & T. CO. ONLY)	3,046	30,606	3,046	-	30,606	-	29,609	-
5.09 PICTURE TRANSMISSION	17,586	105,518	1,000	16,586	20,292	85,226	15,931	69,131
5.10 TELEVISION	6,002	90,771	410	5,592	2,417	88,354	2,734	133,025
5.11 RADIO & SUBMARINE CABLE TELEPHONE CONNECTING EQPT. & CCTS.	48,062	365,351	10,287	37,775	62,359	302,892	-	85,961
5.20 GENERAL	74,183	527,032	12,803	61,380	152,540	374,492	186,019	211,899
TOTAL	355,965	2,910,915	104,104	251,861	1,001,551	1,909,364	804,233	780,865
PER CENT. OF ESTIMATE		132			122	137	107	126
ESTIMATED EXPENSE FOR YEAR		2,210,900			822,000	1,388,900	749,000	620,700
6. RADIO TRANSMISSION SYSTEMS								
6.01 SHIP-TO-SHORE	18,338	243,722	3,951	14,387	37,224	206,498	11,059	165,802
6.02 AIRCRAFT COMMUNICATION	53,187	453,027	-	53,187	3,026	450,001	-	473,021
6.03 TRANSOCEANIC - SHORT WAVE	33,297	319,133	6,554	26,743	91,823	227,310	-	-
6.04 SHORT WAVE - GENERAL	31,749	243,177	4,204	27,545	13,487	229,690	177,770	254,222
6.05 TRANSOCEANIC - LONG WAVE	100,033	587,358	70,961	29,072	219,850	367,508	114,886	228,591
6.06 BROADCASTING	25	368	25	-	368	-	110	-
6.07 OTHER RADIO TRANSMITTING SYSTEMS	8,220	61,309	90	8,130	1,720	59,589	-	32,905
6.08 OTHER RADIO RECEIVING SYSTEMS	9,735	81,924	-	9,735	365	81,559	1,005	33,073
6.19 RADIO REGULATIONS & OUTSIDE RELATIONS (A. T. & T. CO. ONLY)	4,016	31,651	4,016	-	31,651	-	24,330	-
6.20 GENERAL	631	10,142	631	-	10,142	-	27,481	8,198
TOTAL	259,231	2,031,811	90,432	168,799	409,656	1,622,155	356,641	1,195,812
PER CENT. OF ESTIMATE		99			105	97	125	118
ESTIMATED EXPENSE FOR YEAR		2,062,000			389,000	1,673,000	285,000	1,010,300
7. GENERAL TRANSMISSION APPARATUS								
7.01 VACUUM TUBES	37,226	350,004	2,169	35,057	12,282	337,722	8,118	267,497
7.02 LOADING COILS	739	4,763	739	-	4,763	-	14,689	-
7.03 PHOTO-ELECTRIC CELL	6,812	50,064	-	6,812	-	50,064	-	34,805
7.04 TESTING APPARATUS	4,845	76,547	1,112	3,733	10,819	65,728	11,081	15,715
7.05 TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	-	651	-	-	651	-	-	-
7.06 OTHER TRANSMISSION APPARATUS	431	4,456	431	-	4,456	-	8,892	9,609
TOTAL	50,053	486,485	4,451	45,602	32,971	453,514	42,780	327,626
PER CENT. OF ESTIMATE		91			56	95	78	74
ESTIMATED EXPENSE FOR YEAR		536,700			59,000	477,700	55,000	403,000
8. OTHER COMMUNICATION SYSTEMS & APPARATUS								
8.01 SOUND RECORDING APPARATUS & SYSTEMS	26,050	212,349	-	26,050	6	212,343	-	-
8.02 SOUND REPRODUCING APPARATUS & SYSTEMS	2,404	31,368	29	2,404	-	31,368	-	-
8.03 POWER LINE CARRIER	29	297	-	-	297	-	-	-
8.04 TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-	-	-	1,411	-	1,408	-	-
8.05 CLINICAL APPARATUS & FUNCTIONAL AIDS	1,411	1,408	-	13,301	587	112,726	1,013	11,503
8.20 GENERAL	13,301	113,313	29	43,166	890	352,845	1,013	11,503
TOTAL	43,195	358,735			-	98	51	45
PER CENT. OF ESTIMATE		98				364,700	2,000	25,000
ESTIMATED EXPENSE FOR YEAR		364,700						
9. LEAD COVERED CABLE	53,717	128,341	47,142	6,575	80,353	47,988	40,669	39,195
PER CENT. OF ESTIMATE		153			179	123	120	80
ESTIMATED EXPENSE FOR YEAR		84,100			45,000	39,100	34,000	49,000

* For comparative purposes only.

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AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

February 10, 1931.
2 Sheets Sheet 2

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1930

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED				CUMULATIVE SAME PERIOD LAST YEAR	
			MONTH OF DEC.		CUMULATIVE 12 MO'S.			
	MONTH OF DEC.	CUMULATIVE 12 MONTHS	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A T & T CO	INCURRED BY DEPT. OF DEV. & RES	INCURRED BY BELL TEL LAB. BILLABLE TO A T & T CO
10. SUBMARINE CABLE								
10.01 TELEGRAPH CABLE	$ -	$ 308	$ -	$ -	$ 308	$ -	$ -	$ -
10.02 TELEPHONE CABLE	70,135	666,301	1,739	68,396	26,085	640,216	22,123	496,748
10.03 INSULATION	-	-	-	-	-	-	-	-
TOTAL	70,135	666,609	1,739	68,396	26,393	640,216	22,123	496,748
PER CENT. OF ESTIMATE		132			56	140	138	181
ESTIMATED EXPENSE FOR YEAR		505,800			47,000	458,800	16,000	274,000
11. MATERIALS & PROCESSES	6,392	57,688	-	6,392	-	57,688	-	35,180
PER CENT. OF ESTIMATE		102				102		93
ESTIMATED EXPENSE FOR YEAR		56,800			-	56,800	-	38,000
12. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION								
12.01 TELEPHONE QUALITY STUDIES (A.T.&T.CO. ONLY)	12,280	139,316	3,103	9,177	36,055	103,261	16,005	108,140
12.02 TRANSMISSION THEORY (A.T.&T.CO. ONLY)	7,446	54,320	415	7,031	11,874	42,446	16,926	34,557
12.20 GENERAL (A.T.&T.CO. ONLY)	12,863	112,389	6,675	6,188	65,240	47,149	33,597	8,915
TOTAL	32,589	306,025	10,193	22,396	113,169	192,856	66,528	151,612
PER CENT. OF ESTIMATE		90			140	75	115	97
ESTIMATED EXPENSE FOR YEAR		339,600			81,000	258,600	58,000	156,000
* **13. PATENT**	19,509	51,340	-	19,509	-	51,340	-	20,897
PER CENT. OF ESTIMATE		-				-		116
ESTIMATED EXPENSE FOR YEAR		21,900			-	21,900	-	18,000
14. INSPECTION ENGINEERING	-	-	-	-	-	-	-	-
PER CENT. OF ESTIMATE		-				-		-
ESTIMATED EXPENSE FOR YEAR		-			-	-	-	-
15. RATE CASE TESTIMONY (A.T.&T.CO. ONLY)	428	2,965	428	-	2,965	-	10,242	-
PER CENT. OF ESTIMATE		42			42		205	
ESTIMATED EXPENSE FOR YEAR		7,000			7,000	-	5,000	-
16. INTERFERENCE PREVENTION AND PROTECTION								
16.01 NEGOTIATION AND COOPERATION WITH GOVT REPRESENTATIVES. NATIONAL SOCIETIES. ETC.	2,829	29,325	2,829	-	29,325	-	9,050	-
16.02 INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	70,787	456,999	67,273	3,514	411,801	45,198	307,211	23,369
16.03 INTERFERENCE FROM ELECTRIC RAILWAYS	16,859	168,798	16,825	34	168,200	598	340,628	9,557
16.04 ELECTROLYSIS	449	3,869	449	-	3,869	-	5,906	-
16.05 PROTECTION STUDIES	6,323	70,320	4,394	1,929	45,726	24,594	22,189	6,929
16.20 GENERAL	1,156	7,576	1,156	-	7,576	-	319	-
TOTAL	98,403	736,887	92,926	5,477	666,497	70,390	685,303	39,855
PER CENT. OF ESTIMATE		103			104	88	86	-
ESTIMATED EXPENSE FOR YEAR		718,000			638,000	80,000	795,000	13,000
17. MISCELLANEOUS	22,362	232,909	22,091	271	218,171	14,738	222,996	9,347
PER CENT. OF ESTIMATE		86			83	-	94	-
ESTIMATED EXPENSE FOR YEAR		271,100			264,000	9,100	236,000	3,000
18.								
19. ENGINEERING SERVICES								
19.01 RADIO INSTALLATIONS	-	-		-		-		-
19.02 TRANSOCEANIC RADIO - SHORT WAVE	-	-		-		-		-
19.03 TRANSOCEANIC RADIO - LONG WAVE	-	-		-		-		-
* 19.04 SHIP-TO-SHORE RADIO	-	-		-		-		-
19.05 CARD CATALOGUE	5,742	62,301		5,742		62,301		-
19.20 MISCELLANEOUS ENGINEERING SERVICES	-	-		-		-		-
TOTAL	2,682	35,257		2,682		35,257		44,390
PER CENT. OF ESTIMATE	8,424	97,558	-	8,424	-	97,558	-	44,390
ESTIMATED EXPENSE FOR YEAR		25,000			-	25,000	-	39,000
TOTAL CLASSES 1 - 19 INCLUSIVE	1,204,356	10,028,812	465,599	738,757	3,673,860	6,354,952	3,293,449	3,820,552
PER CENT. OF ESTIMATE		107			105	109	101	115
ESTIMATED EXPENSE FOR YEAR		9,343,000			3,492,000	5,851,000	3,266,000	3,325,000

Note: Development and Research figures are for the calendar month of December, 1930.

Bell Telephone Laboratories Inc. figures for December are from November 24 to December 31, 1930, inclusive.

* Expense chargeable to other Departments of A. T. & T. Co.

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AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1931

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MO'S		* CUMULATIVE SAME PERIOD LAST YEAR	
	MONTH OF DECEMBER	CUMULATIVE 12 MONTHS	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A. T. & T. CO.	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A. T. & T. CO.	INCURRED BY DEPT. OF DEV. & RES.	INCURRED BY BELL TEL. LAB. BILLABLE TO A. T. & T. CO.
1. CENTRAL OFFICE SYSTEMS AND APPARATUS								
1.01 LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 2,644	$ 48,330	$ 2,644	$ -	$ 48,330	$ -	$ 44,121	$ 73
1.02 MANUAL APPARATUS	1,450	14,074	1,450	-	14,074	-	14,723	-
TOTAL MANUAL SYSTEM	4,094	62,404	4,094	-	62,404	-	58,844	73
1.03 PANEL EQUIPMENT & CIRCUITS	8,488	88,390	8,488	-	88,390	-	99,949	-
1.04 PANEL APPARATUS	3,056	28,862	3,056	-	28,862	-	31,911	-
TOTAL PANEL SYSTEM	11,544	117,252	11,544	-	117,252	-	131,860	-
1.05 STEP-BY-STEP EQUIPMENT & CIRCUITS	6,439	74,815	6,439	-	74,815	-	69,294	-
1.06 STEP-BY-STEP APPARATUS	889	14,650	889	-	14,650	-	14,189	-
TOTAL STEP-BY-STEP SYSTEM	7,328	89,465	7,328	-	89,465	-	83,483	-
1.07 OTHER DIAL SYSTEMS EQUIPMENT & CIRCUITS	77	150	77	-	150	-	62	-
1.08 TOLL EQUIPMENT & CIRCUITS	15,579	162,798	15,534	45	162,753	45	206,243	-
1.09 P. B. X. EQUIPMENT & CIRCUITS	4,976	51,662	4,976	-	46,919	4,743	45,901	-
1.10 POWER EQUIPMENT	5,891	76,439	5,210	681	69,377	7,062	74,809	9,560
1.11 TESTING & MAINTENANCE EQUIPMENT & APPARATUS	8,819	102,564	8,509	310	98,939	3,625	104,687	764
1.12 ENGINEERING ON EQUIPMENT ORDERS	-	56	-	-	56	-	309	-
1.13 FUNDAMENTAL STUDIES (A. T. & T. CO. ONLY)	2,701	30,168	2,701	-	30,168	-	34,755	1,618
1.20 MISCELLANEOUS	4,725	67,143	4,097	628	41,389	25,754	46,112	30,881
TOTAL CLASS 1	65,734	760,101	64,070	1,664	718,872	41,229	787,065	42,896
PER CENT. OF ESTIMATE		90			91	76	94	145
ESTIMATED EXPENSE FOR YEAR		847,000			793,000	54,000	837,000	29,600
2. SUBSTATION EQUIPMENT	7,515	108,646	4,937	2,578	59,993	48,653	66,036	72,878
PER CENT. OF ESTIMATE		81			97	68	122	74
ESTIMATED EXPENSE FOR YEAR		134,000			62,000	72,000	54,000	98,600
3. OUTSIDE PLANT	77,832	766,106	17,666	60,166	200,839	565,267	223,352	600,235
PER CENT. OF ESTIMATE		95			95	95	109	82
ESTIMATED EXPENSE FOR YEAR		804,000			211,000	593,000	205,000	733,900
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS								
4.01 TRANSMISSION AND RECEPTION OF SPEECH	8,099	79,391	942	7,157	10,290	69,101	17,207	74,157
4.02 APPARATUS	23,741	198,363	3,217	20,524	20,738	177,625	27,584	49,134
TOTAL	31,840	277,754	4,159	27,681	31,028	246,726	44,791	123,291
PER CENT. OF ESTIMATE		123			74	134	102	90
ESTIMATED EXPENSE FOR YEAR		226,000			42,000	184,000	44,000	137,300
5. WIRE TRANSMISSION SYSTEMS								
5.01 VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	50,829	508,202	31,413	19,416	308,133	200,069	214,514	191,412
5.02 CARRIER TELEPHONE EQUIPMENT & CIRCUITS	17,716	172,847	6,257	11,459	77,256	95,591	133,453	41,155
5.03 CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	5,961	76,618	5,908	53	69,409	7,209	72,647	16,959
5.04 CARRIER ON CABLE	88,736	806,593	5,884	82,852	64,486	742,107	29,239	716,573
5.05 PRINTING AND D.C. TELEGRAPH EQUIPMENT	23,209	188,700	14,915	8,294	115,548	73,152	116,583	92,201
5.06 SUBMARINE CABLE TELEGRAPH EQUIPMENT	-	1,604	-	-	1,604	-	3,899	-
5.07 CROSS INDUCTION STUDIES (A. T. & T. CO. ONLY)	19,768	173,889	19,768	-	173,889	-	163,002	-
5.08 TOLL TRANSMISSION MAINTENANCE STUDIES (A. T. & T. CO. ONLY)	3,573	35,868	3,573	-	35,868	-	30,606	-
5.09 PICTURE TRANSMISSION	30,973	190,352	1,220	29,753	14,566	175,786	20,292	85,226
5.10 TELEVISION	11,758	84,018	366	11,392	5,375	78,643	2,417	88,354
5.11 RADIO & SUBMARINE CABLE TELEPHONE CONNECTING EQPT. & CCTS.	14,954	291,380	5,140	9,814	58,164	233,216	62,359	302,992
5.20 GENERAL	51,723	532,989	12,907	38,816	136,488	396,501	152,540	374,492
TOTAL	319,200	3,063,060	107,351	211,849	1,060,786	2,002,274	1,001,551	1,909,364
PER CENT. OF ESTIMATE		95			96	94	122	137
ESTIMATED EXPENSE FOR YEAR		3,229,000			1,101,000	2,128,000	822,000	1,388,900
6. RADIO TRANSMISSION SYSTEMS								
6.01 SHIP-TO-SHORE	3,916	63,080	3,485	431	42,134	20,946	37,224	206,498
6.02 AIRCRAFT COMMUNICATION	7,136	40,474	66	7,070	266	40,208	3,026	450,001
6.03 TRANSOCEANIC-SHORT WAVE	32,495	320,212	9,271	23,224	82,650	237,562	91,823	227,310
6.04 SHORT WAVE-GENERAL	27,028	260,362	3,805	23,223	21,304	238,058	13,487	229,690
6.05 TRANSOCEANIC-LONG WAVE	37,905	241,907	22,744	15,161	124,492	117,415	219,850	367,508
6.06 BROADCASTING	-	533	-	-	533	-	368	-
6.07 OTHER RADIO TRANSMITTING SYSTEMS	12,952	119,774	-	12,952	854	118,920	1,720	59,589
6.08 OTHER RADIO RECEIVING SYSTEMS	12,951	118,918	-	12,951	-	118,918	365	81,559
6.19 RADIO REGULATIONS & OUTSIDE RELATIONS (A. T. & T. CO. ONLY)	1,687	17,052	1,687	-	17,052	-	31,651	-
6.20 GENERAL	509	10,659	509	-	10,659	-	10,142	-
TOTAL	136,579	1,192,971	41,567	95,012	299,944	893,027	409,656	1,622,155
PER CENT. OF ESTIMATE		82			71	87	105	97
ESTIMATED EXPENSE FOR YEAR		1,447,000			421,000	1,026,000	389,000	1,673,000
7. GENERAL TRANSMISSION APPARATUS								
7.01 VACUUM TUBES	33,743	382,955	1,369	32,374	18,670	364,285	12,282	337,722
7.02 LOADING COILS	1,818	15,683	1,818	-	15,683	-	4,763	-
7.03 PHOTO-ELECTRIC CELL	7,047	75,049	126	6,921	393	74,656	-	50,064
7.04 TESTING APPARATUS	3,771	41,705	447	3,324	7,590	34,115	10,819	65,728
7.05 TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	-	9	-	-	9	-	651	-
7.06 OTHER TRANSMISSION APPARATUS	2,749	20,348	1,358	1,391	4,373	15,975	4,456	-
TOTAL	49,128	535,749	5,118	44,010	46,718	489,031	32,971	453,514
PER CENT. OF ESTIMATE		99			146	96	56	95
ESTIMATED EXPENSE FOR YEAR		540,000			32,000	508,000	59,000	477,700
8. OTHER COMMUNICATION SYSTEMS & APPARATUS								
8.01 SOUND RECORDING APPARATUS & SYSTEMS	10,352	157,701	-	10,352	523	157,178	6	212,343
8.02 SOUND REPRODUCING APPARATUS & SYSTEMS	2,145	51,414	-	2,145	319	51,095	-	31,368
8.03 POWER LINE CARRIER	297	2,020	245	52	1,556	464	297	-
8.04 TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-	-	-	-	-	-	-	-
8.05 CLINICAL APPARATUS & FUNCTIONAL AIDS	2,062	14,736	-	2,062	-	14,736	-	1,408
8.20 GENERAL	356	12,086	356	-	12,086	-	587	112,726
TOTAL	15,212	237,957	601	14,611	14,484	223,473	890	357,845
PER CENT. OF ESTIMATE		93			-	88	-	98
ESTIMATED EXPENSE FOR YEAR		256,000			2,000	254,000	-	364,700
9. LEAD COVERED CABLE	25,735	120,138	20,232	5,503	81,867	38,271	80,353	47,988
PER CENT. OF ESTIMATE		77			68	109	179	123
ESTIMATED EXPENSE FOR YEAR		156,000			121,000	35,000	45,000	39,100

* For comparative purposes only.

28241
2041

AMERICAN TELEPHONE AND TELEGRAPH CO
Department of
Development & Research

D. & R. REPORT-No. 2
February 25, 1932.

2 Sheets Sheet 2

ANALYSIS OF EXPENSE BY CLASSES OF WORK

DEPARTMENT OF DEVELOPMENT AND RESEARCH

DECEMBER 1931

	TOTAL EXPENSE BY CLASSES OF WORK		EXPENSE RECLASSIFIED					
			MONTH OF DEC.		CUMULATIVE 12 MO'S		CUMULATIVE SAME PERIOD LAST YEAR	
	MONTH OF DECEMBER	CUMULATIVE 12 MONTHS	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO	INCURRED BY DEPT OF DEV & RES	INCURRED BY BELL TEL LAB BILLABLE TO A T & T CO
10. SUBMARINE CABLE								
1001 TELEGRAPH CABLE	$ -	$ 72	$ -	$ -	$ 72	$ -	$ 308	$ -
1002 TELEPHONE CABLE	16,699	406,045	1,272	15,427	7,392	398,653	26,085	640,216
1003 INSULATION	-	-	-	-	-	-	-	-
TOTAL	16,699	406,117	1,272	15,427	7,464	398,653	26,393	640,216
PER CENT OF ESTIMATED EXPENSE FOR YEAR		84			37	86	56	140
		486,000			20,000	466,000	47,000	458,800
11. MATERIALS & PROCESSES	21,285	197,361	-	21,285	-	197,361	-	57,688
PER CENT OF ESTIMATED EXPENSE FOR YEAR		192				192		102
		103,000				103,000	-	56,800
12. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION								
1201 TELEPHONE QUALITY STUDIES (A T & T CO ONLY)	14,708	166,584	2,922	11,786	32,126	134,458	36,055	103,261
1202 TRANSMISSION THEORY (A T & T CO ONLY)	1,431	49,187	1,180	10,251	7,493	41,694	11,874	42,446
1220 GENERAL (A T & T CO ONLY)	12,618	138,277	10,967	1,951	202,629	35,648	65,240	47,149
TOTAL	38,757	354,048	14,769	23,988	142,248	211,800	113,169	192,856
PER CENT OF ESTIMATED EXPENSE FOR YEAR		97			124	85	140	75
		365,000			115,000	250,000	81,000	258,600
13. PATENT	-	-	-	-	-	-	-	-
PER CENT OF ESTIMATED EXPENSE FOR YEAR								
14. INSPECTION ENGINEERING	-	-	-	-	-	-	-	-
PER CENT OF ESTIMATED EXPENSE FOR YEAR								
15.								
16. INTERFERENCE PREVENTION AND PROTECTION								
1601. NEGOTIATION AND COOPERATION WITH GOVT REPRESENTATIVES NATIONAL SOCIETIES ETC	696	18,658	696	-	18,658	-	29,825	-
1602 INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	52,164	413,417	49,805	2,359	362,577	50,840	411,[illegible]	45,198
1603. INTERFERENCE FROM ELECTRIC RAILWAYS	9,403	132,525	9,403	-	132,315	210	168,200	595
1604 ELECTROLYSIS	929	6,219	929	-	6,219	-	3,869	-
1605 PROTECTION STUDIES								
1620 GENERAL	2,839	50,488	1,824	1,015	42,286	8,202	46,726	24,594
	825	5,241	825	-	6,941	-	7,576	-
TOTAL	66,856	627,248	63,482	3,374	567,996	59,252	666,497	70,390
PER CENT OF ESTIMATED EXPENSE FOR YEAR		74			71	116	104	88
		846,000			795,000	51,000	638,000	80,000
17. MISCELLANEOUS	28,204	225,953	27,367	837	218,501	7,452	221,136	14,738
PER CENT OF ESTIMATED EXPENSE FOR YEAR		102			101	149	82	-
		221,000			216,000	5,000	271,000	7,100
18.								
19. ENGINEERING SERVICES								
1901 RADIO INSTALLATIONS	-	-		-		-		-
1902 TRANSOCEANIC RADIO - SHORT WAVE	-	-		-		-		-
1903 TRANSOCEANIC RADIO - LONG WAVE	-	-		-		-		-
1904 SHIP-TO-SHORE RADIO	23	3,083		23		3,083		62,301
1905 CARD CATALOGUE	-	-		-		-		-
1920 MISCELLANEOUS ENGINEERING SERVICES	23,353	200,685		23,353		200,685		86,597
TOTAL	23,376	203,768	-	23,376	-	203,768	-	148,898
PER CENT OF ESTIMATED EXPENSE FOR YEAR		91				91		-
		225,000			-	225,000	-	46,900
TOTAL CLASSES 1 - 19 INCLUSIVE	923,952	9,076,977	372,591	551,361	3,960,740	5,626,237	3,673,880	6,354,952
PER CENT OF ESTIMATED EXPENSE FOR YEAR		92			88	94	105	109
		9,885,000			3,931,000	5,954,000	3,492,000	5,851,000

Note: Development and Research figures are for the calendar month of December, 1931.

Bell Telephone Laboratories, Inc., figures for December are from November 28 to December 31, 1931, inclusive.

A portion of this expense chargeable to other departments of A. T. & T. Co. Cost and estimate of patent work transferred to 19.20, Miscellaneous Engineering Services, in November 1931.

Original budget reduced by $100,000, due to transfer to W. E. Co. of that amount because of reclassification of expense for certain aircraft activities.

[fol. 3043] EXHIBIT A-115

Jewett Exhibit No. 2

Deductions from Analysis of Expense Statements and Similar Reports

		Deductions		
	Total Expense D & R Plus Billing from W. E. Co. or B.T.L.	Transfers to Other Departments Including Patent	Non License Expenses	Balance to be Allocated
1923	$2,883,756		*$717	$2,883,039
1924	3,121,360		*1,084	3,120,276
1925	3,602,169		*896	3,601,273
1926	4,336,325	$21,386	*421	4,314,518
1927	5,415,919	26,254	*150	5,389,515
1928	5,611,441	60,060		5,551,381
1929	7,114,001	65,287		7,048,714
1930	10,028,812	148,898	**261,647	9,618,267
1931	9,076,977	203,768		8,873,209

* Engineering assistance to W. E. Co.
**Expense for work for E.R.P.I.

[fol. 3044]

EXHIBIT A-116

Jewett Exhibit No. 3

Maximum Amount of D & R Expenses Allocable to Non-Bell Sales of W. E. Co. (Excluding Special Commercial Products)

	Western Electric Sales Divided (Dollars in Thousands) (Excluding Special Commercial Products)					
	1 Bell Customers	2 Non-Bell	3 Percentage Non-Bell	4 D & R Expense from Exhibits 1 & 2		5 Credit Account Western's Benefit (Non-Bell) 4 x 3
1923						
Telephone Apparatus	$107,715	$6,027	5.3%	$2,855,483		$151,000
Lead Covered Cable	23,829	2,637	10.0	27,556		2,700
				Total 2,883,039	Total	153,700
1924						
Telephone Apparatus	142,449	7,273	4.9	3,078,429		151,000
Lead Covered Cable	34,226	3,583	9.5	41,847		4,000
				Total 3,120,276	Total	155,000
1925						
Telephone Apparatus	126,311	7,388	5.5	3,549,440		195,000
Lead Covered Cable	40,092	3,120	7.2	51,833		3,700
				Total 3,601,273	Total	198,700
1926						
Telephone Apparatus	133,382	5,816	4.2	4,235,239		178,000
Lead Covered Cable	42,703	3,544	7.7	79,279		6,100
				Total 4,314,518	Total	184,100
1927						
Telephone Apparatus	132,235	5,269	3.8	5,315,606		202,000
Lead Covered Cable	37,776	2,534	6.3	73,909		4,700
				Total 5,389,515	Total	206,700

1928			
Telephone Apparatus	136,030	6,648	4.7
Lead Covered Cable	43,339	2,741	5.9
1929			
Telephone Apparatus	176,647	8,063	4.4
Lead Covered Cable	63,915	3,043	4.5
1930			
Telephone Apparatus	194,443	7,385	3.7
Lead Covered Cable	56,728	2,986	5.0
1931			
Telephone Apparatus	140,701	3,503	2.4
Lead Covered Cable	21,579	1,490	6.5

	5,479,105		258,000
	72,276		4,300
Total	5,551,381	Total	262,300
	6,968,850		307,000
	79,864		3,600
Total	7,048,714	Total	310,600
	9,489,926		351,000
	128,341		6,400
Total	9,618,267	Total	357,400
	8,753,071		210,000
	120,138		7,900
Total	8,873,209	Total	217,900

[fol. 3045]

EXHIBIT A-117

Jewett Exhibit No. 4

Fair Share of D. & R. Expense Allocable to Chicago Area of Illinois Bell

Year	1 D. & R. Expense Exhibit – 2	2 *Credit Account Western's Benefit (Non-Bell)	3 1 – 2 D. & R. Expense Applicable to Associate Cos. (Incl. Canada) and Long Lines	4 Per Cent Chicago Area is of Associated Cos. (Incl. Canada) Plus Long Lines Plant in Service	5 4 × 3 Expense Allocated to Chicago Area
1923...	$2,883,039	$153,700	$2,729,339	5.3	$145,000
1924...	3,120,276	155,000	2,965,276	5.1	151,000
1925...	3,601,273	198,700	3,402,573	4.9	167,000
1926...	4,314,518	184,100	4,130,418	5.0	207,000
1927...	5,389,515	206,700	5,182,815	4.9	254,000
1928...	5,551,381	262,300	5,289,081	4.9	259,000
1929...	7,048,714	310,600	6,738,114	4.9	330,000
1930...	9,618,267	357,400	9,260,867	4.7	435,000
1931...	8,873,209	217,900	8,655,309	4.6	398,000

* From Exhibit #3.

(Here follow side folios 3046-3060)

EXHIBIT A-118

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES AS BETWEEN LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA) AND ALLOCATION TO CHICAGO AREA OF ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

May 6, 1932.

YEAR 1923		*Total D. & R. Including W. E. Co.	Per Cent Long Lines is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	163,429					
	Step-by-Step Machine Switching	285,778					
	Fundamental Development Machine Switching	26,808					
	Equipment Editing Engineering	-					
	Manual Central Office Equipment	66,474					
	General	17,863					
	TOTAL	560,352	3.9% (Central Office Equipment)	21,854	538,498	8.0% (Central Office Equipment)	43,080
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	396					
	Manual Switchboard Circuits and Apparatus	34,134					
	Machine Switching	1,797					
	Signaling	15,922					
	Test Boards and Testing Equipment	7,871					
	TOTAL	60,120	3.9% (Central Office Equipment)	2,345	57,775	8.0% (Central Office Equipment)	4,622
PRIVATE BRANCH EXCHANGES	Manual	17,944					
	Machine Switching	51,166					
	Power	1,133					
	Fundamental	1,291					
	TOTAL	71,534	3.9% (Central Office Equipment)	2,790	68,744	8.0% (Central Office Equipment)	5,500
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	6,701					
	Substation Sets	18,619					
	Operators' Sets	2,781					
	Other Equipment	29,223					
	Maintenance	6,116					
	TOTAL	63,440	0%	-	63,440	6.3% (Company Stations)	3,997
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	122,632					
	Carrier Telephone	100,645					
	Vacuum Tubes	185,624					
	Loading	39,198					
	Cross Induction	58,312					
	Local Circuits	20,268					
	Transformers	7,056					
	Toll Line Transmission Maintenance	8,204					
	General	41,763					
	TOTAL	583,702					
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	23,266					
	Direct Current Grounded Telegraph	15,910					
	Carrier Telegraph	75,058					
	Low Frequency A-C. Telegraph	140,955					
	Printing Telegraph	25,010	6.0% (Plant in Service)	76,834	1,283,728	5.6% (Plant in Service)	67,409
	Ocean Cable Telegraph	-					
	Relays and General Apparatus and Matters	12,159					
	TOTAL	292,358					
RADIO	Systems	33,610					
	Fundamental Development	213,856					
	Radio Repeaters	-					
	Signaling	4,584					
	Apparatus and Equipment	60,377					
	U.S. Government	-					
	Radio Regulations and Outside Relations	-					
	General	92,075					
	TOTAL	404,502					
OUTSIDE PLANT	Materials	118,509					
	Cables	27,556					
	Apparatus	30,204					
	General	9,364					
	Methods Development	2,310					
	TOTAL	187,943	8.7% (Exchange and Toll Lines)	16,352	171,591	4.0% (Exchange and Toll Lines)	6,864
PROTECTION	Central Office	1,386					
	Substation	1,443					
	Cable	4,361					
	General	1,963	(Plant in Service Less Land and			(Plant in Service Less Land and	
	TOTAL	9,153	6.5% Buildings)	595	8,558	5.5% Buildings)	471
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	13,207					
	Inductive Interference from Power Circuits	88,025					
	Interference from Electric Railroads	14,363					
	Hazards	427					
	Electrolysis	4,595					
	Interference from Radio	75					
	General	16,889					
	TOTAL	137,581	8.7% (Exchange and Toll Lines)	11,970	125,611	4.0% (Exchange and Toll Lines)	5,024
FUNDAMENTAL RESEARCH	Contact Study	-					
	Magnetic Iron Study	-					
	Telephone Quality Study	81,307					
	Paper Study for Cable	83					
	Transmission Theory	16,512					
	Non-Linear Circuit Elements	-					
	General	16,343	(Plant in Service Less Land and			(Plant in Service Less Land and	
	TOTAL	114,245	6.5% Buildings)	7,426	106,819	5.5% Buildings)	5,875
LICENSE CONTRACT SERVICES	Testimony	19,768	0%	-	19,768	5.5% "	1,087
	TOTAL	19,768					
CONSOLIDATIONS		14,179	0%	-	14,179	5.5% "	780
	TOTAL	14,179					
SPECIAL SERVICES	Loud Speakers	73,777					
	Wire Broadcasting	85,525					
	General	66,514	(Plant in Service Less Land and			(Plant in Service Less Land and	
	TOTAL	225,816	6.5% Buildings)	14,678	211,138	5.5% Buildings)	11,613
MISCELLANEOUS	Cuba Cable	-					
	Patents and Inventions	Cr. 1,009					
	Special Work in Connection with Legal Cases	16,858					
	General Data for Guiding Development Work	14,678					
	General	22,979	(Plant in Service Less Land and			(Plant in Service Less Land and	
	TOTAL**	138,346	6.5% Buildings)	8,992	129,354	5.5% Buildings)	7,114
	GRAND TOTAL**	$2,883,039		$163,836	$2,719,203		$163,436

* Sum of charges for 12 months appearing on Charts Nos. II and III for year 1923.

** Non-license deduction $717.

EXHIBIT A-118

3046

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1924		*Total D. & R. Including A. & C. Co.	Per Cent Long Lines Is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area Is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 165,235					
	Step-by-Step Machine Switching	69,640					
	Fundamental Development Machine Switching	49,046					
	Equipment Editing Engineering	-					
	Manual Central Office Equipment	84,050					
	General	14,747					
	TOTAL	382,718	3.9% (Central Office Equipment)	$ 14,926	$ 367,792	6.8% (Central Office Equipment)	$ 25,010
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	314					
	Manual Switchboard Circuits and Apparatus	37,896					
	Machine Switching	5,072					
	Signaling	23,883					
	Test Boards and Testing Equipment	18,174					
	TOTAL	85,339	3.9% (Central Office Equipment)	3,329	82,011	6.8% (Central Office Equipment)	5,577
PRIVATE BRANCH EXCHANGE	Manual	22,502					
	Machine Switching	15,190					
	Power	1,605					
	Fundamental	416					
	TOTAL	39,703	3.9% (Central Office Equipment)	1,549	38,155	6.8% (Central Office Equipment)	2,595
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	-					
	Substation Sets	18,434					
	Operators' Sets	25,467					
	Other Equipment	1,748					
	Maintenance	22,013					
		17,083				(Company Stations)	
	TOTAL	84,745	0%		84,745	6.3%	5,339
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	85,819					
	Carrier Telephone	132,033					
	Vacuum Tubes	227,493					
	Loading	37,794					
	Cross Induction	66,589					
	Local Circuits	39,893					
	Transformers	8,301					
	Toll Line Transmission Maintenance	10,107					
	General	6,110					
	TOTAL	595,129					
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	20,346					
	Direct Current Grounded Telegraph	23,281	3.1% (Plant in Service)	84,233	1,206,639	5.4% (Plant in Service)	70,019
	Carrier Telegraph	89,365					
	Low Frequency A-C. Telegraph	46,097					
	Printing Telegraph	19,552					
	Ocean Cable Telegraph	-					
	Relays and General Apparatus and Matters	13,326					
	TOTAL	211,967					
RADIO	Systems	39,527					
	Fundamental Development	262,088					
	Radio Repeaters	-					
	Signaling	-					
	Apparatus and Equipment	63,395					
	U.S. Government	-					
	Radio Regulations and Outside Relations	9,016					
	General	199,850					
	TOTAL	573,876					
OUTSIDE PLANT	Materials	145,641					
	Cable	41,847					
	Apparatus	28,375					
	General	11,569					
	Methods Development	1,774					
	TOTAL	229,206	9.2% (Exchange and Toll Lines)	21,087	230,119	4.0% (Exchange and Toll Lines)	8,723
PROTECTION	Central Office	2,141					
	Substation	4,603					
	Cable	6,334					
	General	995	(Plant in Service Less Land and			(Plant in Service Less Land and	
	TOTAL	14,073	6.6% Buildings)	929	13,144	5.3% Buildings)	697
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	12,166					
	Inductive Interference from Power Circuits	146,089					
	Interference from Electric Railroads	22,095					
	Hazards	118					
	Electrolysis	8,012					
	Interference from Radio	96					
	General	41					
	TOTAL	186,617	9.2% (Exchange and Toll Lines)	17,169	169,448	4.0% (Exchange and Toll Lines)	6,778
SPECIAL RESEARCH PROBLEMS	Contact Study	-					
	Magnetic Iron Study	-					
	Telephone Quality Study	85,722					
	Paper Study for Cable	-					
	Transmission Theory	11,496					
	Non-Linear Circuit Elements	-					
	General	27,284	(Plant in Service Less Land and			(Plant in Service Less Land and	
	TOTAL	124,502	6.6% Buildings)	8,217	116,285	5.3% Buildings)	6,163
RATE CASE TESTIMONY	TOTAL	29,930	0%	-	29,930	5.3%	1,586
CONSOLIDATIONS	TOTAL	12,900	0%	-	12,900	5.3%	684
NEW TYPES OF SERVICES	Loud Speakers	82,743					
	Wire Broadcasting	79,806					
	Phototelegraphy	182,681	(Plant in Service Less Land and			(Plant in Service Less Land and	
	General	23,967					
	TOTAL	369,197	6.6% Buildings)	24,367	344,830	5.3% Buildings)	18,278
MISCELLANEOUS	Patents and Inventions	18,325					
	Special Work in Connection with Legal Cases	1,856					
	General Data for Guiding Development Work	24,533					
	General	**135,760					
	TOTAL	**180,474	6.6% (Plant in Service Less Land and Buildings)	11,911	168,563	5.3% (Plant in Service Less Land and Buildings)	8,934
	GRAND TOTAL	$3,120,276		$ 187,715	$ 2,932,561		$ 159,983

*Sum of charges for 12 months appearing on Charts Nos. II and III for year 1924.

**Non-license deduction - $1,084.

704

28458

3047

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

May 6, 1932.

YEAR 1925		Total D. & R. Including W. E. Co.	Per Cent Long Lines is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (incl. Canada)	Per Cent Chicago Area is of Associated Companies (incl. Canada)	Expense Allocated to Chicago Area
LOCAL CENTRAL OFFICE EQUIPMENT	Panel Machine Switching	$ 165,178					
	Step-by-Step Machine Switching	68,513					
	Fundamental Development Machine Switching Equipment Editing Engineering	73,150					
	Manual Central Office Equipment	-					
	General	106,839					
		31,138					
	TOTAL	444,818	3.6% (Central Office Equipment)	$ 16,013	$ 428,805	5.8% (Central Office Equipment)	$ 24,871
TOLL CENTRAL OFFICE EQUIPMENT	Switchboards and Desks	242					
	Manual Switchboard Circuits and Apparatus	37,965					
	Machine Switching	19,413					
	Signaling	25,131					
	Test Boards and Testing Equipment	23,244					
	TOTAL	105,995	3.6% (Central Office Equipment)	3,816	102,179	5.8% (Central Office Equipment)	5,926
PRIVATE BRANCH EXCHANGES	Manual	18,362					
	Machine Switching	16,750					
	Power	2,666					
	Fundamental	2,108					
	TOTAL	36,886	3.6% (Central Office Equipment)	1,328	35,558	5.8% (Central Office Equipmeht)	2,062
SUBSTATION EQUIPMENT	A. T. & T. Co.'s Instruments	31,924					
	Substation Sets	25,580					
	Operators' Sets	8,370					
	Other Equipment	33,926					
	Maintenance	17,519					
	TOTAL	114,319	0%	-	114,319	6.3% (Company Stations)	7,202
TELEPHONE TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Repeaters	72,807					
	Carrier Telephone	126,421					
	Vacuum Tubes	227,764					
	Loading	42,593					
	Cross Induction	74,453					
	Local Circuits	11,715					
	Transformers	8,176					
	Toll Line Transmission Maintenance	14,412					
	General	54,260					
	TOTAL	632,601					
TELEGRAPH TRANSMISSION OVER WIRES EQUIPMENT AND METHODS	Direct Current Metallic Telegraph	22,796	5.9% (Plant in Service)	95,351	1,520,761	5.2% (Plant in Service)	79,080
	Direct Current Grounded Telegraph	35,852					
	Carrier Telegraph	82,244					
	Low Frequency A.C. Telegraph	35,273					
	Printing Telegraph	47,406					
	Ocean Cable Telegraph	-					
	Relays and General Apparatus and Matters	8,722					
	TOTAL	232,293					
RADIO	Systems	-					
	Fundamental Development	24,708					
	Radio Repeaters	318,160					
	Signaling	-					
	Apparatus and Equipment	-					
	U. S. Government	83,337					
	Radio Regulations and Outside Relations	-					
	General	20,591					
	TOTAL	304,422					
		751,218					
OUTSIDE PLANT	Materials	183,795					
	Cables	51,833					
	Apparatus	30,350					
	General	7,374					
	Methods Development	3,774					
	TOTAL	277,126	9.0% (Exchange and Toll Lines)	24,941	282,185	4.1% (Exchange and Toll Lines)	10,340
PROTECTION	Central Office	504					
	Substation	1,418					
	Cable	7,383					
	General	4,796					
	TOTAL	14,181	6.4% (Plant in Service Less Land and Buildings)	908	13,273	5.2% (Plant in Service Less Land and Buildings)	690
INTERFERENCE PREVENTION	Negotiations and Cooperation with Government Representatives, National Societies, etc.	10,143					
	Inductive Interference from Power Circuits	163,916					
	Interference from Electric Railroads	23,947					
	Hazards	56					
	Electrolysis	8,277					
	Interference from Radio	363					
	General	-					
	TOTAL	206,702	9.0% (Exchange and Toll Lines)	18,603	188,099	4.1% (Exchange and Toll Lines)	7,712
SPECIAL RESEARCH PROBLEMS	Contact Study	-					
	Magnetic Iron Study	-					
	Telephone Quality Study	122,766					
	Paper Study for Cable	-					
	Transmission Theory	4,845					
	Non-Linear Circuit Elements	-					
	General	27,953					
	TOTAL	155,566	6.4% (Plant in Service Less Land and Buildings)	9,956	145,610	5.2% (Plant in Service Less Land and Buildings)	7,572
RATE CASE TESTIMONY	TOTAL	42,251	0%	-	42,251	5.2% "	2,197
CONSOLIDATIONS	TOTAL	8,087	0%	-	8,087	5.2% "	421
NEW TYPES OF SERVICES	Loud Speakers	46,873					
	Wire Broadcasting	79,894					
	Photptelegraphy	231,288					
	General	63,669					
	TOTAL	423,724	6.4% (Plant in Service Less Land and Buildings)	27,118	396,606	5.2% (Plant in Service Less Land and Buildings)	20,624
MISCELLANEOUS	Patents and Inventions	22,993					
	Special Work in Connection with Legal Cases	68					
	General Data for Guiding Development Work	18,812					
	General	**113,633					
	TOTAL	**155,506	6.4% (Plant in Service Less Land and Buildings)	9,952	145,554	5.2% (Plant in Service Less Land and Buildings)	7,564
	GRAND TOTAL**	$3,601,273		$ 207,986	$3,393,287		$ 176,266

* Figures from Chart I for year 1925.
** Non-License Deduction $896.

May 6, 1932
2 Sheets - Sheet 1

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1926	Total D. & R. Including B.T.L.	Per Cent Long Lines Is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area Is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
1. CENTRAL OFFICE SYSTEMS AND APPARATUS						
LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 43,042					
MANUAL APPARATUS	33,990					
TOTAL MANUAL	79,354					
PANEL MACH SW EQUIPMENT & CIRCUITS	40,937					
PANEL MACH SW APPARATUS	55,076					
TOTAL PANEL MACHINE SWITCHING	16,013					
STEP-BY-STEP MACH SW EQUIPMENT & CIRCUITS	4,426					
STEP-BY-STEP MACH SW APPARATUS	-					
TOTAL STEP-BY-STEP MACH SW	134,393					
OTHER MACH SW EQUIPMENT & CIRCUITS	29,744					
OTHER MACH SW APPARATUS	28,075					
TOTAL OTHER MACHINE SWITCHING	74,967					
TOLL EQUIPMENT & CIRCUITS	-					
P B X EQUIPMENT & CIRCUITS	70,732					
POWER EQUIPMENT	95,699					
TESTING & MAINTENANCE EQUIPMENT & APPARATUS	676,448	3.9% (Central Office Equipment)	$ 26,381	$650,067	6.1% (Central Office Equipment)	$ 39,654
ENGINEERING ON EQUIPMENT ORDERS	51,337	0%	-	51,337	6.3% (Company Stations)	3,234
FUNDAMENTAL STUDIES (A T & T CO ONLY)	310,798	8.7% (Exchange and Toll Lines)	27,039	283,759	4.2% (Exchange and Toll Lines)	11,918
MISCELLANEOUS	40,162					
TOTAL CLASS 1	66,031					
	106,193	0%	-	106,193	6.3% (Company Stations)	6,690
2. SUBSTATION EQUIPMENT						
3. OUTSIDE PLANT						
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS						
TRANSMISSION AND RECEPTION OF SPEECH						
APPARATUS						
TOTAL						
5. WIRE TRANSMISSION SYSTEMS						
VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	149,796					
CARRIER TELEPHONE EQUIPMENT & CIRCUITS	200,077					
CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	82,055					
D C TELEGRAPH EQUIPMENT	123,956					
SUBMARINE CABLE TELEGRAPH EQUIPMENT	-					
CROSS INDUCTION STUDIES (A T & T CO ONLY)	106,821					
TOLL TRANSMISSION MAINTENANCE STUDIES (A T & T CO ONLY)	25,084					
PICTURE TRANSMISSION	151,220					
WIRE BROADCASTING	41,163					
TELEVISION	33,420					
GENERAL	89,581					
TOTAL	1,003,173					
6. RADIO TRANSMISSION SYSTEMS		5.7% (Plant in Service)	129,582	2,143,794	5.2% (Plant in Service)	111,477
SHIP-TO-SHORE	4,092					
TRANSATLANTIC	499,631					
BROADCASTING	25,596					
SHORT WAVE	237,914					
OTHER RADIO TRANSMITTING SYSTEMS	35,607					
OTHER RADIO RECEIVING SYSTEMS	39,951					
RADIO REGULATIONS & OUTSIDE RELATIONS (A T & T CO ONLY)	14,203					
GENERAL	33,083					
TOTAL	890,077					
7. GENERAL TRANSMISSION APPARATUS						
VACUUM TUBES	312,793					
LOADING COILS	22,473					
PHOTO ELECTRIC CELL	27,213					
TESTING APPARATUS	2,201					
TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	4,442					
OTHER TRANSMISSION APPARATUS	10,924					
TOTAL	380,126					
8. OTHER COMMUNICATION SYSTEMS & APPARATUS						
PUBLIC ADDRESS & LOUD SPEAKING SYSTEMS	-					
TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-					
POWER LINE CARRIER	-					
APPARATUS FOR THE HARD OF HEARING	-					
ELECTRICAL STETHOSCOPE	-					
PHONOGRAPH RECORDING DISC	-					
PHONOGRAPH REPRODUCTION ELECTRICAL	-					
PHONOGRAPH RECORDING PHOTOGRAPHIC	8,036					
PHONOGRAPH REPRODUCTION ACOUSTIC	-					
SYNCHRONIZED TALKING PICTURES	7,052					
ELECTRICAL DICTATION	-					
MISCELLANEOUS SCIENTIFIC APPARATUS	-					
TOTAL	15,088	6.2% (Plant in Service Less Land and Buildings)	935	14,153	5.3% (Plant in Service Less Land and Buildings)	750

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ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN,
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1926	Total D. & R. Including B.T.L.	Per Cent Long Lines Is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area Is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
9. LEAD COVERED CABLE	$ 79,[illegible]	8.7% (Exchange and Toll Lines)	$ 6,897	$72,382	4.2% (Exchange and Toll Lines)	$ 3,040
10 SUBMARINE CABLE	-					
11 MATERIALS & PROCESSES	18,714	6.2% (Plant in Service Less Land and Buildings)	1,160	17,554	5.3% (Plant in Service Less Land and Buildings)	930
12 RESEARCH & DEVELOPMENT OF GENERAL APPLICATION	-					
13 FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION						
TELEPHONE QUALITY STUDIES (A T & T CO ONLY)	143,743					
TRANSMISSION THEORY A T & T CO ONLY)	30,762	(Plant in Service Less Land and			(Plant in Service Less Land and	
GENERAL (A T & T CO ONLY)	44,369					
TOTAL	218,874	6.2% Buildings)	13,570	205,304	5.3% Buildings)	10,881
14 PATENT	21,386	(Not allocated)				
15 INSPECTION ENGINEERING	-					
16 RATE CASE TESTIMONY A T & T CO ONLY	29,580	0%	-	29,580	(Plant in Service Less Land and 5.3% Buildings)	1,568
17 INTERFERENCE PREVENTION AND PROTECTION						
NEGOTIATION AND COOPERATION WITH GOVT REPRESENT						
ATIVES NATIONAL SOCIETIES ETC	4,101					
INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	183,705					
INTERFERENCE FROM ELECTRIC RAILWAYS	110,612					
ELECTROLYSIS	2,830					
PROTECTION STUDIES	29,308					
GENERAL	812	(Exchange and			(Exchange and	
TOTAL	331,368	8.7% Toll Lines)	28,829	302,539	4.2% Toll Lines)	12,707
18 MISCELLANEOUS	*203,463	(Plant in Service Less Land and 6.2% Buildings)	12,615	190,848	(Plant in Service 5.3% Less Land and Buildings)	10,115
TOTAL						
TOTAL CLASSES 1-18 INCLUSIVE ALLOCATED	$4,314,518		$247,008	$4,067,510		$212,964

*Non-License Deduction - $421.

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ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES AS BETWEEN LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA) AND ALLOCATION TO CHICAGO AREA OF ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1927	Total D. & R. Including B.T.L.	Per Cent Long Lines is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
1 CENTRAL OFFICE SYSTEMS AND APPARATUS						
LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 49,015					
MANUAL APPARATUS	5,421					
TOTAL MANUAL						
PANEL MACH SW EQUIPMENT & CIRCUITS	85,743					
PANEL MACH SW APPARATUS	41,712					
TOTAL PANEL MACHINE SWITCHING						
STEP BY STEP MACH SW EQUIPMENT & CIRCUITS	44,059					
STEP BY STEP MACH SW APPARATUS	18,635					
TOTAL STEP BY STEP MACH SW						
OTHER MACH SW EQUIPMENT & CIRCUITS	9,155					
OTHER MACH SW APPARATUS	-					
TOTAL OTHER MACHINE SWITCHING						
TOLL EQUIPMENT & CIRCUITS	174,515					
P B X EQUIPMENT & CIRCUITS	26,102					
POWER EQUIPMENT	32,601					
TESTING & MAINTENANCE EQUIPMENT & APPARATUS	98,205					
ENGINEERING ON EQUIPMENT ORDERS	-					
FUNDAMENTAL STUDIES (A T & T CO ONLY)	62,684					
MISCELLANEOUS	120,331					
TOTAL CLASS 1	788,178	4.5% (Central Office Equipment)	$ 34,568	$ 733,610	6.0% (Central Office Equipment)	$ 44,017
2. SUBSTATION EQUIPMENT	83,169	0%	-	83,169	6.3% (Company Stations)	5,240
3 OUTSIDE PLANT	437,158	9.3% (Exchange and Toll Lines)	40,656	396,502	4.2% (Exchange and Toll Lines)	16,653
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS						
TRANSMISSION AND RECEPTION OF SPEECH	39,965					
APPARATUS	82,093					
TOTAL	122,058	0%	-	122,058	6.3% (Company Stations)	7,690
5. WIRE TRANSMISSION SYSTEMS						
VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	194,696					
CARRIER TELEPHONE EQUIPMENT & CIRCUITS	174,723					
CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	82,127					
D C TELEGRAPH EQUIPMENT	107,331					
SUBMARINE CABLE TELEGRAPH EQUIPMENT	-					
CROSS INDUCTION STUDIES (A T & T CO ONLY)	107,563					
TOLL TRANSMISSION MAINTENANCE STUDIES (A T & T CO ONLY)	19,071					
PICTURE TRANSMISSION	146,546					
WIRE BROADCASTING	8,593					
TELEVISION	249,604					
GENERAL	111,319					
TOTAL	1,201,573					
6. RADIO TRANSMISSION SYSTEMS						
SHIP TO SHORE	38,206					
TRANSATLANTIC	386,984					
BROADCASTING	1,995					
SHORT WAVE	375,252	6.2% (Plant in Service)	162,926	2,464,902	5.2% (Plant in Service)	128,175
OTHER RADIO TRANSMITTING SYSTEMS	102,514					
OTHER RADIO RECEIVING SYSTEMS	91,026					
RADIO REGULATIONS & OUTSIDE RELATIONS (A T & T CO ONLY)	30,138					
GENERAL	54,145					
TOTAL	1,080,260					
7. GENERAL TRANSMISSION APPARATUS						
VACUUM TUBES	284,359					
LOADING COILS	22,649					
PHOTO ELECTRIC CELL	15,379					
TESTING APPARATUS	7,557					
TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	38					
OTHER TRANSMISSION APPARATUS	16,013					
TOTAL	345,995					
8 OTHER COMMUNICATION SYSTEMS & APPARATUS						
PUBLIC ADDRESS & LOUD SPEAKING SYSTEMS	-					
TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-					
POWER LINE CARRIER	-					
APPARATUS FOR THE HARD OF HEARING	-					
ELECTRICAL STETHOSCOPE	-					
PHONOGRAPH RECORDING DISC	-					
PHONOGRAPH REPRODUCTION ELECTRICAL	-					
PHONOGRAPH RECORDING PHOTOGRAPHIC	-					
PHONOGRAPH REPRODUCTION ACOUSTIC	7,008					
SYNCHRONIZED TALKING PICTURES	2,483					
ELECTRICAL DICTATION	-					
MISCELLANEOUS SCIENTIFIC APPARATUS	-	(Plant in Service Less Land and Buildings)			(Plant in Service Less Land and Buildings)	
TOTAL	9,491	6.8%	645	8,846	6.3%	469

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1927	Total D. & R. Including B.T.L.	Per Cent Long Lines is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
9 LEAD COVERED CABLE	$ 73,909	9.3% (Exchange and Toll Lines)	$ 6,874	$ 67,035	4.2% (Exchange and Toll Lines)	$ 2,815
10 SUBMARINE CABLE	96,635	6.2% (Plant in Service)	5,991	90,644	5.2% (Plant in Service)	4,713
11 MATERIALS & PROCESSES	21,864	6.8% (Plant in Service Less Land and Buildings)	1,487	20,377	5.3% (Plant in Service Less Land and Buildings)	1,080
12 RESEARCH & DEVELOPMENT OF GENERAL APPLICATION	-					
13 FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION						
TELEPHONE QUALITY STUDIES (A T & T CO ONLY)	139,438					
TRANSMISSION THEORY (A T & T CO ONLY)	30,909					
GENERAL (A T & T CO ONLY)	40,619					
TOTAL	210,966	6.8% (Plant in Service Less Land and Buildings)	14,346	196,620	5.3% (Plant in Service Less Land and Buildings)	10,421
14 PATENT	26,254	Not Allocated				
15 INSPECTION ENGINEERING	-					
16 RATE CASE TESTIMONY (A T & T CO ONLY)	16,757	0%	-	16,757	5.3% (Plant in Service Less Land and Buildings)	888
17 INTERFERENCE PREVENTION AND PROTECTION						
NEGOTIATION AND COOPERATION WITH GOVT REPRESENTATIVES NATIONAL SOCIETIES, ETC.	6,610					
INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	198,013					
INTERFERENCE FROM ELECTRIC RAILWAYS	433,913					
ELECTROLYSIS	2,224					
PROTECTION STUDIES	31,188					
GENERAL	217					
TOTAL	672,165	9.3% (Exchange and Toll Lines)	62,511	609,654	4.2% (Exchange and Toll Lines)	25,605
18 MISCELLANEOUS						
HISTORICAL MUSEUM	6,934					
OTHER	*242,403					
TOTAL	*249,337	6.8% (Plant in Service Less Land and Buildings)	16,956	232,382	5.3% (Plant in Service Less Land and Buildings)	12,313
TOTAL CLASSES 1-18 INCLUSIVE Allocated	*$5,389,515		$346,959	$5,042,556		$260,082

* Non-license deduction $150.

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May 6, 1932
2 Sheets-Sheet 1

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES AS BETWEEN LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA) AND ALLOCATION TO CHICAGO AREA OF ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1928	Total D. & R Including B. T. L.	Per Cent Long Lines is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (incl. Canada)	Per Cent Chicago Area is of Associated Companies (incl. Canada)	Expense Allocated to Chicago Area
1. CENTRAL OFFICE SYSTEMS AND APPARATUS						
LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 21,128					
MANUAL APPARATUS	2,229					
TOTAL MANUAL SYSTEM						
PANEL EQUIPMENT & CIRCUITS	96,505					
PANEL APPARATUS	46,312					
TOTAL PANEL SYSTEM						
STEP-BY-STEP EQUIPMENT & CIRCUITS	38,740					
STEP-BY-STEP APPARATUS	15,884					
TOTAL STEP-BY-STEP SYSTEM						
OTHER DIAL SYSTEMS EQUIPMENT & CIRCUITS	3,444					
OTHER DIAL SYSTEMS APPARATUS	-					
TOTAL OTHER DIAL SYSTEMS						
TOLL EQUIPMENT & CIRCUITS	218,901					
P B X EQUIPMENT & CIRCUITS	39,043					
POWER EQUIPMENT	34,704					
TESTING & MAINTENANCE EQUIPMENT & APPARATUS	84,044					
ENGINEERING ON EQUIPMENT ORDERS	-					
FUNDAMENTAL STUDIES (A T & T CO ONLY)	54,391					
MISCELLANEOUS	111,852					
TOTAL CLASS 1	767,177	5.4% (Central Office Equipment)	$ 41,428	$ 725,749	6.1% (Central Office Equipment)	$ 44,271
2. SUBSTATION EQUIPMENT	124,021	0%	-	124,021	6.2% (Company Stations)	7,689
3. OUTSIDE PLANT						
PER CENT OF ESTIMATE	588,773	10.2% (Exchange and Toll Lines)	60,055	528,718	4.3% (Exchange and Toll Lines)	22,735
ESTIMATED EXPENSE FOR YEAR						
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS						
TRANSMISSION AND RECEPTION OF SPEECH	47,659					
APPARATUS	81,893					
TOTAL	129,552	0%	-	129,552	6.2% (Company Stations)	8,032
5. WIRE TRANSMISSION SYSTEMS						
VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	260,339					
CARRIER TELEPHONE EQUIPMENT & CIRCUITS	194,641					
CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	75,452					
D C TELEGRAPH EQUIPMENT	111,551					
SUBMARINE CABLE TELEGRAPH EQUIPMENT	-					
CROSS INDUCTION STUDIES (A T & T CO ONLY)	102,292					
TOLL TRANSMISSION MAINTENANCE STUDIES (A T & T CO ONLY)	24,240					
PICTURE TRANSMISSION	102,124					
WIRE BROADCASTING	3,699					
TELEVISION	81,418					
GENERAL	162,252					
TOTAL	1,118,008					
6. RADIO TRANSMISSION SYSTEMS						
SHIP-TO-SHORE	59,370	6.2% (Plant in Service)	176,187	2,414,800	5.3% (Plant in Service)	127,984
TRANSATLANTIC	219,074					
BROADCASTING	7,817					
SHORT WAVE	423,902					
OTHER RADIO TRANSMITTING SYSTEMS	58,593					
OTHER RADIO RECEIVING SYSTEMS	57,783					
RADIO REGULATIONS & OUTSIDE RELATIONS (A T & T CO ONLY)	16,136					
AIRCRAFT COMMUNICATION	215,949					
GENERAL	27,251					
TOTAL	1,085,875					
7. GENERAL TRANSMISSION APPARATUS						
VACUUM TUBES	312,417					
LOADING COILS	14,437					
PHOTO-ELECTRIC CELL	29,799					
TESTING APPARATUS	12,181					
TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	2,901					
OTHER TRANSMISSION APPARATUS	15,369					
TOTAL	387,104					
8. OTHER COMMUNICATION SYSTEMS & APPARATUS						
PUBLIC ADDRESS & LOUD SPEAKING SYSTEMS	1,129					
TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-					
POWER LINE CARRIER	-					
APPARATUS FOR THE HARD OF HEARING	-					
ELECTRICAL STETHOSCOPE	-					
PHONOGRAPH RECORDING - DISC	-					
PHONOGRAPH REPRODUCTION - ELECTRICAL	-					
PHONOGRAPH RECORDING - PHOTOGRAPHIC	6,948					
PHONOGRAPH REPRODUCTION - ACOUSTIC	-					
SYNCHRONIZED TALKING PICTURES	-					
ELECTRICAL DICTATION	-					
MISCELLANEOUS SCIENTIFIC APPARATUS	-	(Plant in Service Less Land and Buildings			(Plant in Service Less Land and Buildings	
TOTAL	8,077	7.5%	606	7,471	5.4%	403

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ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1928	Total D. & R. Including B.T.L.	Per Cent Long Lines is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (incl. Canada)	Per Cent Chicago Area is of Associated Companies (incl. Canada)	Expense Allocated to Chicago Area
9. LEAD COVERED CABLE	$ 72,276	10.2% (Exchange and Toll Lines)	$ 7,372	$ 64,904	4.3% (Exchange and Toll Lines)	$ 2,791
10. SUBMARINE CABLE						
TELEGRAPH CABLE	-					
TELEPHONE CABLE	88,843	6.8% (Plant in Service)	6,041	82,802	5.3% (Plant in Service)	4,389
INSULATION	-					
TOTAL	88,843					
11. MATERIALS & PROCESSES	24,141	7.5% (Plant in Service Less Land and Buildings)	1,811	22,330	5.4% (Plant in Service Less Land and Buildings)	1,206
12. RESEARCH & DEVELOPMENT OF GENERAL APPLICATION						
PER CENT. OF ESTIMATE	-					
ESTIMATED EXPENSE FOR YEAR						
13. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION						
TELEPHONE QUALITY STUDIES (A.T.&T. CO. ONLY)	124,908					
TRANSMISSION THEORY (A.T.&T. CO. ONLY)	50,535					
GENERAL (A.T.&T. CO. ONLY)	29,697					
TOTAL	205,140	7.5% (Plant in Service Less Land and Buildings)	15,386	189,754	5.4% (Plant in Service Less Land and Buildings)	10,247
14. PATENT	17,263	Not Allocated				
15. INSPECTION ENGINEERING	-					
16. RATE CASE TESTIMONY (A.T.&T. CO. ONLY)	13,935	C%	-	13,935	5.4% (Plant in Service Less Land and Buildings)	752
17. INTERFERENCE PREVENTION AND PROTECTION						
NEGOTIATION AND COOPERATION WITH GOVT. REPRESENTATIVES, NATIONAL SOCIETIES ETC.	7,559					
INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	219,997					
INTERFERENCE FROM ELECTRIC RAILWAYS	474,230					
ELECTROLYSIS	2,164					
PROTECTION STUDIES	22,475					
GENERAL	770					
TOTAL	727,195	10.2% (Exchange and Toll Lines)	74,174	653,021	4.3% (Exchange and Toll Lines)	28,080
18. MISCELLANEOUS	211,264	7.5% (Plant in Service Less Land and Buildings)	15,845	195,419	5.4% (Plant in Service Less Land and Buildings)	10,553
19. ENGINEERING SERVICES						
C.O. EQUIPMENT ANALYZATION	-					
RADIO INSTALLATIONS	-					
PUBLIC ADDRESS INSTALLATIONS	-					
POWER LINE CARRIER INSTALLATIONS	-					
TRANSATLANTIC INSTALLATIONS	2,541					
CARD CATALOGUE	-					
MISCELLANEOUS ENGINEERING SERVICES	40,256					
TOTAL	42,797	Not Allocated				
TOTAL CLASSES 1 - 19 INCLUSIVE Allocated	$5,551,381		$398,905	$5,152,476		$ 269,132

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ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1929	Total D. & R. Including B.T.L.	Per Cent Long Lines Is of Total		Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area Is of Associated Companies (Incl. Canada)		Expense Allocated to Chicago Area
1. CENTRAL OFFICE SYSTEMS AND APPARATUS								
LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 42,557							
MANUAL APPARATUS	93							
TOTAL MANUAL SYSTEM								
PANEL EQUIPMENT & CIRCUITS	109,551							
PANEL APPARATUS	33,190							
TOTAL PANEL SYSTEM								
STEP-BY-STEP EQUIPMENT & CIRCUITS	62,404							
STEP-BY-STEP APPARATUS	12,514							
TOTAL STEP-BY-STEP SYSTEM								
OTHER DIAL SYSTEMS EQUIPMENT & CIRCUITS	-							
OTHER DIAL SYSTEMS APPARATUS	-							
TOTAL OTHER DIAL SYSTEMS								
TOLL EQUIPMENT & CIRCUITS	190,630							
P. B. X. EQUIPMENT & CIRCUITS	7,466							
POWER EQUIPMENT	808							
TESTING & MAINTENANCE EQUIPMENT & APPARATUS	108,534							
ENGINEERING ON EQUIPMENT ORDERS	-							
FUNDAMENTAL STUDIES (A. T. & T. CO. ONLY)	49,686							
MISCELLANEOUS	68,445							
TOTAL CLASS 1	758,878	6.0%	(Central Office Equipment)	$ 45,532	$ 713,346	6.4%	(Central Office Equipment)	$ 45,654
2. SUBSTATION EQUIPMENT	137,920	0%		-	137,920	6.1%	(Company Stations)	8,413
3. OUTSIDE PLANT	735,368	11.4%	(Exchange and Toll Lines)	83,832	651,536	4.3%	(Exchange and Toll Lines)	28,016
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS								
TRANSMISSION AND RECEPTION OF SPEECH APPARATUS	18,228							
TOTAL	58,049							
	76,277	0%		-	76,277	6.1%	(Company Stations)	4,653
5. WIRE TRANSMISSION SYSTEMS								
VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	209,996)							
CARRIER TELEPHONE EQUIPMENT & CIRCUITS	281,359)							
CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	94,752)							
D. C. TELEGRAPH EQUIPMENT	147,290)							
SUBMARINE CABLE TELEGRAPH EQUIPMENT	-)							
CROSS INDUCTION STUDIES (A. T. & T. CO. ONLY)	117,392)							
TOLL TRANSMISSION MAINTENANCE STUDIES (A. T. & T. CO. ONLY)	29,609)							
PICTURE TRANSMISSION	85,062)							
WIRE BROADCASTING	66,133)							
TELEVISION	135,759)							
GENERAL	331,785)							
TOTAL	1,499,137)							
6. RADIO TRANSMISSION SYSTEMS	)							
SHIP-TO-SHORE	)							
TRANSATLANTIC	176,861)	7.6%	(Plant in Service)	266,605	3,241,352	5.3%	(Plant in Service)	171,792
BROADCASTING	429,438)							
SHORT WAVE	110)							
OTHER RADIO TRANSMITTING SYSTEMS	431,992)							
OTHER RADIO RECEIVING SYSTEMS	32,905)							
RADIO REGULATIONS & OUTSIDE RELATIONS (A. T. & T. CO. ONLY)	34,078)							
AIRCRAFT COMMUNICATION	24,330)							
GENERAL	473,021)							
TOTAL	35,679)							
	1,638,414)							
7. GENERAL TRANSMISSION APPARATUS	)							
VACUUM TUBES	)							
LOADING COILS	275,615)							
PHOTO-ELECTRIC CELL	14,689)							
TESTING APPARATUS	34,805)							
TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	26,796)							
OTHER TRANSMISSION APPARATUS	-)							
TOTAL	18,501)							
	370,406)							
8. OTHER COMMUNICATION SYSTEMS & APPARATUS								
PUBLIC ADDRESS & LOUD SPEAKING SYSTEMS	1,271							
TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-							
POWER LINE CARRIER	-							
APPARATUS FOR THE HARD OF HEARING	-							
ELECTRICAL STETHOSCOPE	-							
PHONOGRAPH RECORDING - DISC	-							
PHONOGRAPH REPRODUCTION - ELECTRICAL	-							
PHONOGRAPH RECORDING - PHOTOGRAPHIC	-							
PHONOGRAPH REPRODUCTION - ACOUSTIC	2							
SYNCHRONIZED TALKING PICTURES	-							
ELECTRICAL DICTATION	11,245							
MISCELLANEOUS SCIENTIFIC APPARATUS								
TOTAL	12,516	8.3%	(Plant in Service Less Land and Buildings)	1,039	11,477	5.5%	(Plant in Service Less Land and Buildings)	631

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1929	Total D.& R. Including B.T.L.	Per Cent Long Lines Is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area Is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
9. LEAD COVERED CABLE	$ 79,864	11.4% (Exchange and Toll Lines)	$ 9,104	$ 70,760	4.3% (Exchange and Toll Lines)	$ 3,043
10. SUBMARINE CABLE						
TELEGRAPH CABLE	-					
TELEPHONE CABLE						
INSULATION	518,871	7.6% (Plant in Service)	39,434	479,437	5.3% (Plant in Service)	25,410
TOTAL	518,871					
11. MATERIALS & PROCESSES		(Plant in Service Less Land and			(Plant in Service Less Land and	
PER CENT. OF ESTIMATE	35,180	8.3% Buildings)	2,920	32,260	5.5% Buildings)	1,774
ESTIMATED EXPENSE FOR YEAR						
12. RESEARCH & DEVELOPMENT OF GENERAL APPLICATION	-					
13. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION						
TELEPHONE QUALITY STUDIES (A.T.&T.CO. ONLY)	124,145					
TRANSMISSION THEORY (A.T.&T.CO. ONLY)	51,483					
GENERAL (A.T.&T.CO. ONLY)	42,512	(Plant in Service Less Land and			(Plant in Service Less Land and	
TOTAL	218,140	8.3% Buildings)	18,105	200,035	5.5% Buildings)	11,002
14. PATENT						
PER CENT. OF ESTIMATE	20,897	Not Allocated				
ESTIMATED EXPENSE FOR YEAR						
15. INSPECTION ENGINEERING	-					
16. RATE CASE TESTIMONY (A.T.&T.CO. ONLY)	10,[illegible]	0%	-	10,242	(Plant in Service Less Land and 5.5% Buildings)	563
17. INTERFERENCE PREVENTION AND PROTECTION						
NEGOTIATION AND COOPERATION WITH GOVT. REPRESENTATIVES, NATIONAL SOCIETIES ETC.	9,050					
INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	330,580					
INTERFERENCE FROM ELECTRIC RAILWAYS	350,185					
ELECTROLYSIS	5,906					
PROTECTION STUDIES	29,118					
GENERAL	319					
TOTAL	725,158	11.4% (Exchange and Toll Lines)	82,668	642,490	4.3% (Exchange and Toll Lines)	27,627
18. MISCELLANEOUS	232,343	8.3% (Plant in Service Less Land and Buildings)	19,284	213,059	5.5% (Plant in Service Less Land and Buildings)	11,718
19. ENGINEERING SERVICES						
C.O. EQUIPMENT ANALYZATION	-					
RADIO INSTALLATIONS	-					
PUBLIC ADDRESS INSTALLATIONS	-					
POWER LINE CARRIER INSTALLATIONS	-					
TRANSATLANTIC INSTALLATIONS	-					
CARD CATALOGUE	-					
MISCELLANEOUS ENGINEERING SERVICES	44,390					
TOTAL	44,390	Not Allocated				
TOTAL CLASSES 1-19 INCLUSIVE ALLOCATED	$7,048,714		$568,523	6,480,191		$340,296

May 6, 1932.
2 Sheets - Sheet 1

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES AS BETWEEN LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA) AND ALLOCATION TO CHICAGO AREA OF ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1930	Total D. & R. Including B.T.L.	Per Cent Long Lines is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (incl. Canada)	Per Cent Chicago Area is of Associated Companies (incl. Canada)	Expense Allocated to Chicago Area
1. CENTRAL OFFICE SYSTEMS AND APPARATUS						
101 LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 44,194					
102 MANUAL APPARATUS	14,723					
TOTAL MANUAL SYSTEM						
103 PANEL EQUIPMENT & CIRCUITS	99,949					
104 PANEL APPARATUS	31,911					
TOTAL PANEL SYSTEM						
105 STEP-BY-STEP EQUIPMENT & CIRCUITS	69,294					
106 STEP-BY-STEP APPARATUS	14,189					
TOTAL STEP-BY-STEP SYSTEM						
107 OTHER DIAL SYSTEMS EQUIPMENT & CIRCUITS	62					
108 TOLL EQUIPMENT & CIRCUITS	206,243					
109 P B X EQUIPMENT & CIRCUITS	45,901					
110 POWER EQUIPMENT	84,369					
111 TESTING & MAINTENANCE EQUIPMENT & APPARATUS	105,451					
112 ENGINEERING ON EQUIPMENT ORDERS	309					
113 FUNDAMENTAL STUDIES (A T &T CO ONLY)	36,373					
120 MISCELLANEOUS	76,993					
TOTAL CLASS 1	829,961	7.3% (Central Office Equipment)	$ 60,587	$ 769,374	6.3% (Central Office Equipment)	$ 48,471
2. SUBSTATION EQUIPMENT	138,914	0%	-	138,914	6.0% (Company Stations)	8,335
3. OUTSIDE PLANT	823,587	13.2% (Exchange and Toll Line)	108,713	714,874	4.1% (Exchange and Toll Lines)	29,310
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS						
401 TRANSMISSION AND RECEPTION OF SPEECH	91,364					
402 APPARATUS	76,718					
TOTAL	168,082	0%	-	168,082	6.0% (Company Stations)	10,085
5. WIRE TRANSMISSION SYSTEMS						
501 VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	405,326					
502 CARRIER TELEPHONE EQUIPMENT & CIRCUITS	174,908					
503 CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	89,686					
504 CARRIER ON CABLE	748,812					
505 D C TELEGRAPH EQUIPMENT	208,794					
506 SUBMARINE CABLE TELEGRAPH EQUIPMENT	3,999					
507 CROSS INDUCTION STUDIES (A T &T CO ONLY)	163,002					
508 TOLL TRANSMISSION MAINTENANCE STUDIES (A T &T CO ONLY)	30,306					
509 PICTURE TRANSMISSION	106,518					
510 TELEVISION	90,771					
511 RADIO & SUBMARINE CABLE TELEPHONE CONNECTING EQPT & CCTS	365,351					
520 GENERAL	527,032					
TOTAL	2,913,913					
6. RADIO TRANSMISSION SYSTEMS						
601 SHIP-TO-SHORE	243,729	9.0% (Plant in Service)	486,874	4,922,837	5.1% (Plant in Service)	251,065
602 AIRCRAFT COMMUNICATION	453,027					
603 TRANSOCEANIC - SHORT WAVE	319,133					
604 SHORT WAVE - GENERAL	243,177					
605 TRANSOCEANIC - LONG WAVE	507,368					
606 BROADCASTING	368					
607 OTHER RADIO TRANSMITTING SYSTEMS	31,309					
608 OTHER RADIO RECEIVING SYSTEMS	91,924					
619 RADIO REGULATIONS & OUTSIDE RELATIONS (A T &T CO ONLY)	31,651					
620 GENERAL	10,142					
TOTAL	2,031,811					
7. GENERAL TRANSMISSION APPARATUS						
701 VACUUM TUBES	350,004					
702 LOADING COILS	4,763					
703 PHOTO-ELECTRIC CELL	30,564					
704 TESTING APPARATUS	76,547					
705 TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	651					
706 OTHER TRANSMISSION APPARATUS	4,456					
TOTAL	466,985					
8. OTHER COMMUNICATION SYSTEMS & APPARATUS						
801 SOUND RECORDING APPARATUS & SYSTEMS	3,089					
802 SOUND REPRODUCING APPARATUS & SYSTEMS	9,681					
803 POWER LINE CARRIER	297					
804 TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-					
805 CLINICAL APPARATUS & FUNCTIONAL AIDS	1,408					
820 GENERAL	113,313					
TOTAL	127,788	9.9% (Plant in Service Less Land and Buildings)	12,651	115,137	5.3% (Plant in Service Less Land and Buildings)	6,102
9. LEAD COVERED CABLE	129,541	13.2% (Exchange and Toll Line)	16,941	111,400	4.10% (Exchange and Toll Line)	4,567

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May 6, 1932.
2 Sheets - Sheet 2

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1930	Total D. & R. Including B.T.L.	Per Cent Long Lines is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (incl. Canada)	Per Cent Chicago Area is of Associated Companies (incl. Canada)	Expense Allocated to Chicago Area
10. SUBMARINE CABLE						
1001 TELEGRAPH CABLE	$ 308					
1002 TELEPHONE CABLE	666,301					
1003 INSULATION	-					
TOTAL	666,609	9.0% (Plant in Service)	$ 59,995	$ 606,614	5.1% (Plant in Service)	$ 30,937
11. MATERIALS & PROCESSES	57,688	9.9% (Plant in Service Less Land and Buildings)	5,711	51,977	5.3% (Plant in Service Less Land and Buildings)	2,755
12. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION						
1201 TELEPHONE QUALITY STUDIES (A.T.&T. CO. ONLY)	139,316					
1202 TRANSMISSION THEORY (A.T.&T. CO. ONLY)	* 43,120					
1220 GENERAL (A.T.&T. CO. ONLY)	112,389	(Plant in Service Less Land and			(Plant in Service Less Land and	
TOTAL	*294,825	9.9% Buildings)	29,188	265,637	5.3% Buildings)	14,079
13. PATENT	** 51,340	(Not allocated)				
14. INSPECTION ENGINEERING						
PER CENT. OF ESTIMATED EXPENSE FOR YEAR	-					
15. RATE CASE TESTIMONY (A.T.&T. CO. ONLY)	2,965	0%	-	2,965	(Plant in Service Less Land and 5.3% Buildings)	157
16. INTERFERENCE PREVENTION AND PROTECTION						
1601 NEGOTIATION AND COOPERATION WITH GOVT REPRESENTATIVES NATIONAL SOCIETIES ETC	29,325					
1602 INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	456,999					
1603 INTERFERENCE FROM ELECTRIC RAILWAYS	163,798					
1604 ELECTROLYSIS	3,869					
1605 PROTECTION STUDIES	70,320					
1620 GENERAL	7,576					
TOTAL	736,987	13.2% (Exchange and Toll Line)	97,269	639,618	4.1% (Exchange and Toll Line)	26,224
17. MISCELLANEOUS	232,909	(Plant in Service Less Land and 9.9% Buildings)	23,058	209,851	(Plant in Service Less Land and 5.3% Buildings)	11,122
18.						
19. ENGINEERING SERVICES						
1901 RADIO INSTALLATIONS	-					
1902 TRANSOCEANIC RADIO - SHORT WAVE	-					
1903 TRANSOCEANIC RADIO - LONG WAVE	-					
1904 SHIP-TO-SHORE RADIO	** 62,301					
1905 CARD CATALOGUE	-					
1920 MISCELLANEOUS ENGINEERING SERVICES	35,257					
TOTAL	97,558	(Not allocated)				
TOTAL CLASSES 1 - 19 INCLUSIVE ALLOCATED	$9,618,267		$ 900,987	$8,717,280		$ 443,209

* Non-License Deduction Class. 7.03 $ 19,500
8.01 209,260
8.02 21,687
12.02 11,200

** Expense chargeable to other Departments of A. T. & T. Co.

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May 6, 1932.
2 Sheets - Sheet 1

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES AS BETWEEN LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA) AND ALLOCATION TO CHICAGO AREA OF ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1931	Total D. & R. Including B.T.I.	Per Cent Long Lines Is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area Is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
1. CENTRAL OFFICE SYSTEMS AND APPARATUS						
1.01 LOCAL MANUAL EQUIPMENT & CIRCUITS	$ 48,330					
1.02 MANUAL APPARATUS	14,074					
TOTAL MANUAL SYSTEM						
1.03 PANEL EQUIPMENT & CIRCUITS	88,390					
1.04 PANEL APPARATUS	28,862					
TOTAL PANEL SYSTEM						
1.05 STEP-BY-STEP EQUIPMENT & CIRCUITS	74,815					
1.06 STEP-BY-STEP APPARATUS	14,650					
TOTAL STEP-BY-STEP SYSTEM						
1.07 OTHER DIAL SYSTEMS EQUIPMENT & CIRCUITS	150					
1.08 TOLL EQUIPMENT & CIRCUITS	162,798					
1.09 P. B. X. EQUIPMENT & CIRCUITS	51,662					
1.10 POWER EQUIPMENT	76,439					
1.11 TESTING & MAINTENANCE EQUIPMENT & APPARATUS	102,564					
1.12 ENGINEERING ON EQUIPMENT ORDERS	56					
1.13 FUNDAMENTAL STUDIES (A. T. & T. CO. ONLY)	30,168					
1.20 MISCELLANEOUS	67,143					
TOTAL CLASS 1	760,101	7.8% (Central Office - Equipment)	$ 59,288	$ 700,813	6.2% (Central Office - Equipment)	$ 43,450
2. SUBSTATION EQUIPMENT	108,646	0%	-	108,646	5.9% (Company Stations)	6,410
3. OUTSIDE PLANT	766,106	14.0% (Exchange and Toll Lines)	107,256	658,851	4.1% (Exchange and Toll Lines)	27,013
4. TRANSMITTERS, RECEIVERS AND INDUCTION COILS						
4.01 TRANSMISSION AND RECEPTION OF SPEECH	79,391					
4.02 APPARATUS	198,363					
TOTAL	277,754	0%	-	277,754	5.9% (Company Stations)	16,387
5. WIRE TRANSMISSION SYSTEMS						
5.01 VOICE FREQUENCY TELEPHONE EQUIPMENT & CIRCUITS	508,202					
5.02 CARRIER TELEPHONE EQUIPMENT & CIRCUITS	172,847					
5.03 CARRIER TELEGRAPH EQUIPMENT & CIRCUITS	76,618					
5.04 CARRIER ON CABLE	806,593					
5.05 PRINTING AND D.C. TELEGRAPH EQUIPMENT	188,700					
5.06 SUBMARINE CABLE TELEGRAPH EQUIPMENT	1,604					
5.07 CROSS INDUCTION STUDIES (A. T. & T. CO. ONLY)	173,889					
5.08 TOLL TRANSMISSION MAINTENANCE STUDIES (A. T. & T. CO. ONLY)	35,868					
5.09 PICTURE TRANSMISSION	190,352					
5.10 TELEVISION	84,018					
5.11 RADIO & SUBMARINE CABLE TELEPHONE CONNECTING EQPT. & CCTS.	291,380					
5.20 GENERAL	532,989					
TOTAL	3,063,060	9.5% (Plant in Service)	455,219	4,386,661	5.1% (Plant in Service)	221,165
6. RADIO TRANSMISSION SYSTEMS						
6.01 SHIP-TO-SHORE	63,080					
6.02 AIRCRAFT COMMUNICATION	40,474					
6.03 TRANSOCEANIC - SHORT WAVE	320,212					
6.04 SHORT WAVE - GENERAL	260,362					
6.05 TRANSOCEANIC - LONG WAVE	241,907					
6.06 BROADCASTING	533					
6.07 OTHER RADIO TRANSMITTING SYSTEMS	119,774					
6.08 OTHER RADIO RECEIVING SYSTEMS	118,918					
6.19 RADIO REGULATIONS & OUTSIDE RELATIONS (A. T. & T. CO. ONLY)	17,052					
6.20 GENERAL	10,659					
TOTAL	1,192,971					
7. GENERAL TRANSMISSION APPARATUS						
7.01 VACUUM TUBES	382,955					
7.02 LOADING COILS	15,683					
7.03 PHOTO-ELECTRIC CELL	75,049					
7.04 TESTING APPARATUS	41,705					
7.05 TRANSMITTERS AND RECEIVERS FOR SPECIAL USE	9					
7.06 OTHER TRANSMISSION APPARATUS	20,348					
TOTAL	536,749					
8. OTHER COMMUNICATION SYSTEMS & APPARATUS						
8.01 SOUND RECORDING APPARATUS & SYSTEMS	157,701					
8.02 SOUND REPRODUCING APPARATUS & SYSTEMS	51,414					
8.03 POWER LINE CARRIER	2,020					
8.04 TRAIN DISPATCHING & SUPERVISORY SYSTEMS	-					
8.05 CLINICAL APPARATUS & FUNCTIONAL AIDS	14,736					
8.20 GENERAL	12,086	(Plant in Service Less Land			(Plant in Service Less Land	
TOTAL	237,952	10.5% and Buildings)	24,985	212,972	5.3% and Buildings)	11,288
9. LEAD COVERED CABLE	120,138	14.0% (Exchange and Toll Lines)	16,819	103,319	4.1% (Exchange and Toll Lines)	4,236

ALLOCATION OF D. & R. DEPARTMENT EXPENSES IN LICENSE SERVICES
AS BETWEEN
LONG LINES AND ASSOCIATED COMPANIES (INCL. CANADA)
AND
ALLOCATION TO CHICAGO AREA
OF
ITS FAIR SHARE OF SUCH ASSOCIATED COMPANY EXPENSES

YEAR 1931	Total D. & R. Including	Per Cent Long Lines Is of Total	Expense Allocated to Long Lines	Expense Allocated to Associated Companies (Incl. Canada)	Per Cent Chicago Area is of Associated Companies (Incl. Canada)	Expense Allocated to Chicago Area
10. SUBMARINE CABLE						
1001 TELEGRAPH CABLE	$ 73					
1002 TELEPHONE CABLE	406,045					
1003 INSULATION	-					
TOTAL	406,117	9.5% (Plant in Service)	$ 38,581	$367,536	5.1% (Plant in Service)	$ 18,744
11. MATERIALS & PROCESSES						
PER CENT OF ESTIMATE ESTIMATED EXPENSE FOR YEAR	197,361	10.5%(Plant in Service Less Land and Buildings)	20,723	176,638	5.3% (Plant in Service Less Land and Buildings)	9,362
12. FUNDAMENTAL STUDIES APPLYING TO COMMUNICATION						
1201 TELEPHONE QUALITY STUDIES (A.T.&T.CO. ONLY)	166,584					
1202 TRANSMISSION THEORY (A.T.&T.CO. ONLY)	49,187					
1220 GENERAL (A.T.&T.CO. ONLY)	138,277					
TOTAL	354,048	10.5%(Plant in Service Less Land and Buildings)	37,175	316,873	5.3% (Plant in Service Less Land and Buildings)	16,794
13. PATENT	-					
14. INSPECTION ENGINEERING	-					
15.						
16. INTERFERENCE PREVENTION AND PROTECTION						
1601 NEGOTIATION AND COOPERATION WITH GOVT REPRESENTATIVES NATIONAL SOCIETIES ETC	18,658					
1602 INDUCTIVE INTERFERENCE FROM POWER CIRCUITS	413,417					
1603 INTERFERENCE FROM ELECTRIC RAILWAYS	132,525					
1604 ELECTROLYSIS	6,219					
1605 PROTECTION STUDIES	50,488					
1620 GENERAL	5,941					
TOTAL	627,248	14.0% (Exchange and Toll Lines)	87,815	539,433	4.1% (Exchange and Toll Lines)	22,117
17. MISCELLANEOUS	225,953	10.5%(Plant in Service Less Land and Buildings)	23,725	202,228	5.3% (Plant in Service Less Land and Buildings)	10,718
18.						
19. ENGINEERING SERVICES						
1901 RADIO INSTALLATIONS	-					
1902 TRANSOCEANIC RADIO - SHORT WAVE	-					
1903 TRANSOCEANIC RADIO - LONG WAVE	-					
* 1904 SHIP-TO-SHORE RADIO	3,083					
1905 CARD CATALOGUE	-					
* 1920 MISCELLANEOUS ENGINEERING SERVICES	200,685					
TOTAL	203,768	Not Allocated				
TOTAL CLASSES 1 - 19 INCLUSIVE Allocated	$8,873,209		$871,585	$8,001,624		$407,684

* A portion of this expense chargeable to other departments of A. T. & T. Co.

[fol. 3061] EXHIBIT A-119

Jewett Exhibit No. 6

Fair Share of D. & R. Expense Allocable to Chicago Area of Illinois Bell on the Basis of Exhibits A-116 and A-118

Year	1 Credit Account Western's Benefit (Non Bell) from *Exhibit 3	2 Per Cent Chgo. Area is of Assoc. Cos. (Incl. Canada) Plus Long Lines	3 2×1 Proportion of Credit Applicable to Chgo. Area	4 D. & R. Expense Allocated on **Exhibit 5 to Chgo. Area	5 4−3 Net Expense Applicable to Chgo. Area
1923	$153,700	5.3	$8,150	$163,436	$155,286
1924	155,000	5.1	7,900	159,983	152,083
1925	198,700	4.9	9,730	176,266	166,536
1926	184,100	5.0	9,200	212,964	203,764
1927	206,700	4.9	10,100	260,082	249,982
1928	262,300	4.9	12,800	269,132	256,332
1929	310,600	4.9	15,200	340,296	325,096
1930	357,400	4.7	16,800	443,209	426,409
1931	217,900	4.6	10,000	407,684	397,684

* A-116.
** A-118.

[fol. 3062] EXHIBIT A-120

Per Cent Long Lines of Total Associated Companies, Long Lines and Bell Telephone Company of Canada

Year	Total Telephone Revenues "000" Omitted Total Ass'd Operating Companies (a)	Long Lines (b)	Bell of Canada (c)	Total Columns a, b and c (d)	Per Cent Long Lines, of Total Ass'd Cos., Longf Lines and Bell o Canada b÷d (e)
1923	$547,104	$47,241	$21,867	$616,212	7.7
1924	611,053	48,578	24,208	683,839	7.1
1925	687,899	55,512	26,169	769,580	7.2
1926	766,847	60,939	28,461	856,247	7.1
1927	834,782	67,412	33,211	935,405	7.2
1928	900,752	82,961	36,511	1,020,224	8.1
1929	983,725	97,435	40,031	1,121,191	8.7
1930	1,018,672	99,535	41,361	1,159,568	8.6
1931	996,814	94,557	40,926	1,132,297	8.4

Sources of information: CR 51A, MR 1, MR 1.

[fol. 3063] EXHIBIT A-121

Per Cent Chicago Area of Total Associated Companies (Excluding Long Lines) and Bell Telephone Company of Canada

Year	Total Telephone Revenues "000" Omitted				Per Cent Chicago Area of Total Ass'd Cos., and Bell of Canada
	Total Ass'd Operating Companies (a)	Bell of Canada (b)	Total a and b (c)	Chicago Area (d)	d ÷ c (e)
1923	547,104	21,867	568,971	39,610	7.0
1924	611,053	24,208	635,261	42,959	6.8
1925	687,899	26,169	714,008	46,187	6.5
1926	766,847	28,461	795,308	50,145	6.3
1927	834,782	33,211	867,993	53,939	6.2
1928	900,752	36,511	937,263	58,301	6.2
1929	983,725	40,081	1,023,756	66,273	6.5
1930	1,018,672	41,361	1,060,033	67,145	6.3
1931	996,814	40,926	1,037,740	64,597	6.2

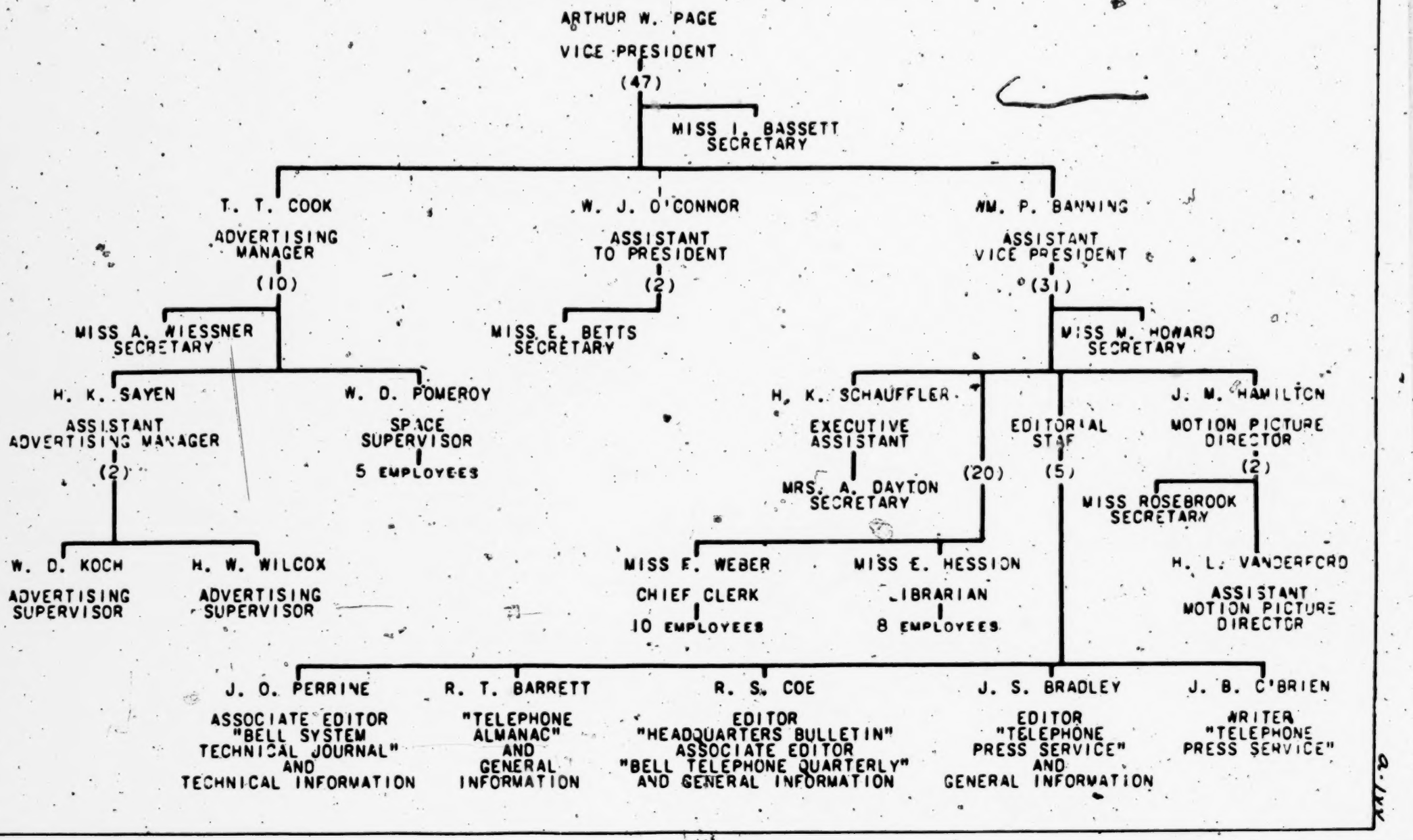
Sources of information: CR 51A, MR 1, MR 1.

(Here follows Exhibit A-122, side folio 3064.)

EXHIBIT A-122.

AMERICAN TELEPHONE AND TELEGRAPH COMPANY - GENERAL DEPARTMENTS

INFORMATION DEPARTMENT - APRIL 15, 1931



[fol. 3065] EXHIBIT A-123

American Telephone and Telegraph Company

Advertising

Year	Paid by Long Lines Department	Paid by Bell Telephone Securities Co.	Institutional and Sales (a) Paid by Information Department
1923	(b)	$42,683	(b) $417,174
1924	(b)	46,419	(b) 444,284
1925	$94,600	50,821	436,982
1926	146,530	52,782	454,415
1927	191,472	55,553	473,340
1928	258,587	50,816	661,377
1929	336,075	53,138	893,109
1930	335,681	49,705	946,334
1931	286,611	50,438	877,509

(a) Including Supervision.

(b) In the years 1923 and 1924 the Long Lines Department did not pay any direct advertising costs. Of the total amounts paid for Institutional and Sales Advertising by the American Tel. and Tel. Co.—Information Department, the following amounts thereof based on 1925 payments for advertising are deemed allocable to the Long Lines Department:

Year 1923	$80,084
Year 1924	85,275

(Here follows Exhibit A-124, side folio 3066.)

EXHIBIT A-124

AMERICAN TELEPHONE AND TELEGRAPH COMPANY

ALLOCATION TO CHICAGO AREA

INFORMATION DEPARTMENT EXPENSES FOR SERVICES UNDER LICENSE CONTRACT

YEARS 1923 - 1931

Year		Regular Employees Dec. 31 (1)	Total Expenses(a) (2)	Allocated to Bell Telephone Securities (3)	Balance Associated Companies (Including Bell of Canada) and Long Lines (4)	Allocated to Long Lines (5)		Bal Assoc Com (Inc Bell of
						Per Cent of Col.(4)*	Amount	
1923	Institutional and Sales Advertising		$ 417,174	$2,031(c)	$ 415,143	x x	$80,084(b)	$
	Other Expenses		217,164	-	217,164	7.7	16,722	
	Total	25	634,338	2,031	632,307	x x	96,806	
1924	Institutional and Sales Advertising		444,284	2,234(c)	442,050	x x	85,275(b)	
	Other Expenses		250,143	-	250,143	7.1	17,761	
	Total	31	694,427	2,234	692,193	x x	103,036	
1925	Institutional and Sales Advertising		436,982	2,437(c)	434,545	x x	7,459(c)	
	Other Expenses		303,482	-	303,482	7.2	21,850	
	Total	38	740,464	2,437	738,027	x x	29,309	
1926	Institutional and Sales Advertising		454,415	2,573(c)	451,842	x x	9,785(c)	
	Other Expenses		402,905	-	402,905	7.1	28,606	
	Total	32	857,320	2,573	854,747	x x	38,391	
1927	Institutional and Sales Advertising		473,340	2,708(c)	470,632	x x	13,878(c)	
	Other Expenses		316,357	-	316,357	7.2	22,778	
	Total	38	789,697	2,708	786,989	x x	36,656	
1928	Institutional and Sales Advertising		661,377	2,369(c)	659,008	x x	14,756(c)	
	Other Expenses		372,621	-	372,621	8.1	30,182	
	Total	43	1,033,998	2,369	1,031,629	x x	44,938	
1929	Institutional and Sales Advertising		893,109	2,405(c)	890,704	x x	17,426(c)	
	Other Expenses		454,061	-	454,061	8.7	39,503	
	Total	44	1,347,170	2,405	1,344,765	x x	56,929	1,
1930	Institutional and Sales Advertising		946,334	2,172(c)	944,162	x x	21,145(c)	
	Other Expenses		405,277	-	405,277	8.6	34,855	
	Total	49	1,351,611	2,172	1,349,439	x x	56,000	1,
1931	Institutional and Sales Advertising		877,509	2,342(c)	875,167	x x	22,229(c)	

EXHIBIT A-124

AMERICAN TELEPHONE AND TELEGRAPH COMPANY

ALLOCATION TO CHICAGO AREA

INFORMATION DEPARTMENT EXPENSES FOR SERVICES UNDER LICENSE CONTRACT

YEARS 1925 - 1931

	Regular Employees Dec. 31 (1)	Total Expenses(a) (2)	Allocated to Bell Telephone Securities (3)	Balance Associated Companies (Including Bell of Canada) and Long Lines (4)	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada) (6)	Allocated to Chicago Area (7)	
					Per Cent of Col.(4)*	Amount		Per Cent of Col.(6)*	Amount
25		$ 417,174	$2,031(c)	$ 415,143	x x	$80,084(b)	$ 335,059	7.0	[illegible]
		217,164	-	217,164	7.7	16,722	200,442	7.0	14,031
	25	634,338	2,031	632,307	x x	96,806	535,501	7.0	[illegible]
31		444,284	2,234(c)	442,050	x x	85,275(b)	356,775	6.8	[illegible]
		250,143	-	250,143	7.1	17,761	232,382	6.8	[illegible]
	31	694,427	2,234	692,193	x x	103,036	589,157	6.8	[illegible]
33		436,982	2,437(c)	434,545	x x	7,459(c)	427,086	6.5	[illegible]
		303,482	-	303,482	7.2	21,850	281,632	6.5	[illegible]
	33	740,464	2,437	738,027	x x	29,309	708,718	6.5	[illegible]
32		454,415	2,573(c)	451,842	x x	9,785(c)	442,057	6.3	[illegible]
		402,905	-	402,905	7.1	28,606	374,299	6.3	[illegible]
	32	857,320	2,573	854,747	x x	38,391	816,356	6.3	51,430
38		473,340	2,708(c)	470,632	x x	13,878(c)	456,754	6.2	[illegible]
		316,357	-	316,357	7.2	22,778	293,579	6.2	[illegible]
	38	789,697	2,708	786,989	x x	36,656	750,333	6.2	[illegible]
43		661,377	2,369(c)	659,008	x x	14,756(c)	644,252	6.2	[illegible]
		372,621	-	372,621	8.1	30,182	342,439	6.2	21,230
	43	1,033,998	2,369	1,031,629	x x	44,938	986,691	6.2	[illegible]
44		893,109	2,405(c)	890,704	x x	17,426(c)	873,278	6.5	[illegible]
		454,061	-	454,061	8.7	39,503	414,558	6.5	[illegible]
	44	1,347,170	2,405	1,344,765	x x	56,929	1,287,836	6.5	[illegible]
49		946,334	2,172(c)	944,162	x x	21,145(c)	923,017	6.3	[illegible]
		405,277	-	405,277	8.6	34,855	370,422	6.3	[illegible]
	49	1,351,611	2,172	1,349,439	x x	56,000	1,293,439	6.3	[illegible]

1930	Institutional and Sales Advertising		946,334	2,172(c)	944,162	x x	21,145
	Other Expenses		405,277	-	405,277	8.6	34,855
	Total	49	1,351,611	2,172	1,349,439	x x	56,000
1931	Institutional and Sales Advertising		877,509	2,342(c)	875,167	x x	22,229
	Other Expenses		429,971	-	429,971	8.4	36,117
	Total	47	1,307,480	2,342	1,305,138	x x	58,346

(a) Excludes Trade Mark Service Advertising and related salaries and expenses: 1929 - $113,085
1930 - 132,248
1931 - 111,904

(b) Amount of Institutional and Sales Advertising including Supervision service paid by Information Department which has been allocated to Long Lines Department on the basis of 1925 payments for advertising.

(c) Allocation to Long Lines and Bell Tel services related to advertising pai placed for them by A.T. and T.Co. -

* Allocated to Long Lines and to Chicag Revenues.

	946,334 405,277	2,172(c) -	944,162 405,277	x x 8.6	21,145(c) 34,855	923,017 370,422	6.3 6.3	58,180 23,286
49	1,351,611	2,172	1,349,439	x x	56,000	1,293,439	6.3	81,466
	877,509 429,971	2,342(c) -	875,167 429,971	x x 8.4	22,229(c) 36,117	852,938 393,854	6.2 6.2	52,881 24,420
47	1,307,480	2,342	1,305,138	x x	58,346	1,246,792	6.2	77,301

Advertising and related salaries and

Sales Advertising including Supervision
on Department which has been allocated
on the basis of 1925 payments for

(c) Allocation to Long Lines and Bell Tel. Securities Co. represents Supervisory services related to advertising paid for directly by those companies and placed for them by A.T. and T.Co. - Information Department.

* Allocated to Long Lines and to Chicago Area on the basis of Total Telephone Revenues.

[fol. 3067] EXHIBIT A-125

Illinois Bell Telephone Company, Chicago Area

Annual Depreciation Rates, 1923–1930, Inclusive

[fol. 3068] Illinois Bell Telephone Company

Annual Depreciation Rates, Chicago Area, January 1, 1930

Property	Basic Rates			Composite Rates
	Life	Salvage	Rate	
Exchange Right-of-Way	35	0	2.9	2.9
Toll Right-of-Way	50	0	2.0	2.0
Buildings				
General Office	40	0	2.5	
Cent. Office—Manual	25	20	3.2	
Cent. Office—Dial	35	20	2.3	2.8
Garages and Warehouses	25	15	3.4	
Imp'ts. To Rented Qtrs.	25	0	4.0	
C. O. Telephone Equipment				
Manual	13	10	6.9	
Dial	18	5	5.3	6.8
Toll	8	20	10.0	
Other Equipment of C. O.	9	35	7.2	7.2
Station Apparatus				
Sub-Station	4.5	70	6.7	6.8
Telephone Typewriters	3	65	11.7	
Private Branch Exchanges				
Non-Multiple and Small Dial	6	55	7.5	
Multiple and Large Dial	12	15	7.1	7.3
Booths and Special Fittings	10	60	4.0	4.0
Exchange Pole Lines	23	*10	4.8	4.8
Exchange Aerial Cable	16	10	5.6	5.6
Exchange U. G. Conduit				
Main	50	0	2.0	2.3
Subsidiary	30	0	3.8	
Exchange U. G. Cable				
Main Subscribers	25	30	2.8	
Subsidiary	15	0	6.7	
House	22	0	4.5	3.4
Trunk	27	30	2.6	
Load Coils	10	40	6.0	
[fol. 3069] Exchange Submarine Cable	20	0	5.0	5.0
Toll Pole Lines	20	*5	5.3	5.3
Toll Aerial Cable				
Cable	20	20	4.0	4.1
Load Coils	20	0	5.0	
Toll Aerial Wire				
Copper	15	25	5.0	5.0
Load Coils	20	0	5.0	
Toll U. G. Conduit	50	0	2.0	2.0
Toll U. G. Cable				
Cable	30	25	2.5	3.1
Load Coils	20	0	5.0	
Toll Submarine Cable	20	0	5.0	5.0
Office Furniture and Fixtures	12	20	6.7	6.7
General Store Equipment	12	10	7.5	7.5
General Stable and Garage Equipment				
Motor Vehicles				
Group 1	4	15	21.3	
Group 2	6	10	15.0	
Group 3	8	10	11.3	14.7
Group 4	7	0	14.3	
Repair Shop Equipment	6	5	15.8	
General Tools and Implements				
Special Tools	6	5	15.8	15.8
Other Tools	1.5	70	20.0	20.0

* Red in copy.

[fol. 3070] Illinois Bell Telephone Company

Annual Depreciation Rates, Chicago Area, January 1, 1929

Property	Basic Rates			Composite Rates
	Life	Salvage	Rate	
Exchange Right-of-way	30	0	3.3	3.3
Toll Right-of-way	50	0	2.0	2.0
Buildings				
Fireproof C. O. Manual	25	20	3.2	2.7
Dial	35	20	2.3	
Other Fireproof Bldgs	40	0	2.5	
Non-Fireproof C. O.	20	20	4.0	
C. O. Telephone Equipment				
No. 1 Manual C. B.	13	10	6.9	6.7
Other Manual C. B.	16	5	5.9	
Dial	18	5	5.3	
Long Lines	8	20	10.0	
Other Equipment of C. O.	9	40	6.7	6.7
Station Apparatus	4.5	70	6.7	6.7
Private Branch Exchanges				
Multiple	12	15	7.1	7.1
Non-Multiple	7	50	7.1	
Booths and Spec. Fittings	15	35	4.3	4.3
Exchange Pole Lines	23	10	4.8	4.8
Exchange Aerial Cable	18	10	5.0	5.0
Exchange U. G. Conduit				
Main	50	0	2.0	2.3
Subsidiary	30	0	3.3	
Exchange U. G. Cable				
Main-Trunk	25	35	2.6	3.6
Main-Subsc.	20	35	3.3	
Subsidiary	15	5	6.3	
House	20	0	5.0	
Load Coils	10	40	6.0	
[fol. 3071] Exchange Submarine Cable	20	0	5.0	5.0
Toll Pole Lines	20	5	5.3	5.3
Toll Aerial Cable				
Cable	20	30	3.5	3.8
Load Coils	20	0	5.0	
Toll Aerial Wire				
Copper	20	25	3.8	3.9
Load Coils	20	0	5.0	
Toll U. G. Conduit	50	0	2.0	2.0
Toll U. G. Cable				
Cable	25	25	3.0	3.4
Load Coils	20	0	5.0	
Toll Submarine Cable	20	0	5.0	5.0
Office Furniture and Fixtures	14	15	6.1	6.1
General Store Equipment	12	10	7.5	7.5
General Stable and Garage Equipment				
Motor Vehicles				
Group 1	3.5	15	24.3	14.6
Group 2	6	10	15.0	
Group 3	8	10	11.3	
Group 4	7	15	12.1	
Repair Shop Equipment	7	10	12.9	
Other Equipment	4	10	22.5	
General Tools and Implements				
Special Tools	7	15	12.1	12.1
Other Tools	2.5	50	20.0	20.0

* Red in copy.

[fol. 3072] Illinois Bell Telephone Company

Annual Depreciation Rates, Chicago Area, January 1, 1928

Property	Basic Rates Life	Salvage	Rate	Composite Rates
Exchange Right-of-Way	30	0	3.3	3.3
Toll Right-of-Way	50	0	2.0	2.0
Buildings				
Fireproof-C. O. Manual	25	20	3.2	
Dial	35	20	2.3	
Other Fireproof Bldgs	40	0	2.5	2.8
Non-Fireproof C. O.	20	20	4.0	
Other	18	40	3.3	
C. O. Telephone Equipment				
No. 1 Manual C. B.	13	10	6.9	
Other Manual C. B.	16	5	5.9	6.8
Dial	18	5	5.3	
Long Lines	8	20	10.0	
Other Equipment of C. O.	9	40	6.7	6.7
Station Apparatus	4.5	70	6.7	6.7
Private Branch Exchanges				
Multiple	12	15	7.1	7.1
Non-Multiple	7	50	7.1	
Booths and Spec. Fittings	15	35	4.3	4.3
Exchange Pole Lines	23	10*	4.8	4.8
Exchange Aerial Cable	18	10	5.0	5.0
Exchange Aerial Wire				
Covered (Span)	8	15	14.4	4.3
Copper	20	25*	3.8	
Exchange U. G. Conduit				
Main	50	0	2.0	2.2
Subsidiary	30	0	3.3	

[* Red figure.]

[fol. 3073]

Exchange U. G. Cable				
Main-Trunk	25	35	2.6	
Main-Subsc.	20	35	3.3	
Subsidiary	15	5	6.3	3.7
House	20	0	5.0	
Load Coils	10	40	6.0	
Exchange Submarine Cable	20	0	5.0	5.0
Toll Pole Lines	20	5*	5.3	5.3
Toll Aerial Cable				
Cable	20	30	3.5	
Load Coils	20	0	5.0	3.9
Toll Aerial Wire				
Copper	20	25	3.8	3.9
Load Coils	20	0	5.0	
Toll U. G. Conduit	50	0	2.0	2.0
Toll U. G. Cable				
Cable	25	25	3.0	3.6
Load Coils	20	0	5.0	
Toll Submarine Cable	20	0	5.0	5.0
Office Furniture and Fixtures	14	15	6.1	6.1
General Store Equipment	12	10	7.5	7.5
General Stable and Garage Equipment				
Motor Vehicles				
Group 1	3.5	15	24.3	
Group 2	6	10	15.0	
Group 3	8	10	11.3	14.4
Repair Shop Equipment	7	10	12.9	
Other Equipment	4	10	22.5	
General Tools and Implements				
Special Tools	7	15	12.1	19.2
Other Tools	2.5	50	20.0	

[* Red figure.]

[fol. 3074] Illinois Bell Telephone Company

Annual Depreciation Rates for Clearing Accounts, Chicago Area
January 1, 1926

Property	Life	Salvage	Rate
General Store Equipment	8	50	6.2
General Stable and Garage Equipment	5	20	16.0
General Tools and Implements			
Special Tools	6	15	14.1
Other Tools	2.5	50	20.0

[fol. 3075] Illinois Bell Telephone Company

Depreciation Rates Applicable to Classes of Plant by Divisions
Effective January 1, 1924, Chicago Area

Class of Plant	Life in Yrs.	Salvage	Deprec. Rate %	Composite Rates by Accounts
Right-of-Way—Exchange	20	0	5.0	5.0
" " —Toll	40	0	2.5	2.5
Buildings—Fireproof	40	40	1.5	2.5
" —Fireproof C. O.	25	30	2.8	
" —Non-Fireproof	20	20	4.0	
C. O. Equipment	12	20	6.7	6.7
Station Apparatus	5	70	6.0	6.0
Station Installations				
Interior Block Wires				
Private Branch Exchanges	7	50	7.0	7.0
Booths and Special Fittings	8	35	8.0	8.0
Exchange Pole Lines	14	5*	7.5	7.5
Exchange Aerial Cable	14	15	6.0	6.0
Exchange Aerial Wire—Chicago	6	15	†14.1	6.2
Exchange U. G. Conduit—Main	50	0	2.0	2.4
" " " —Subsidiary	20	0	5.0	
Exchange U. G. Cable—Main	21	40	2.9	3.4
" " " —Subsidiary	15	20	5.3	
Exchange Submarine Cable	10	0	10.0	10.0
Toll Pole Lines	16	0	6.3	6.3
Toll Aerial Cable	16	20	5.0	5.0
Toll Aerial Wire—Copper	19	30	3.7	3.8
" " " —Iron	14	15*	8.2	
" " " —Load Coils	20	0	5.0	
Toll U. G. Conduit	50	0	2.0	2.0
Toll U. G. Cable—Cable	21	40	2.9	3.1
" " " —Load Coils	21	0	4.7	
Toll Submarine Cable	10	0	10.0	10.0
Office Furniture and Fixtures	12	20	6.7	6.7

[*Red figure.]

†Applicable to 44% of Exchange Aerial Wire Account—56% of this account being retired through the Station Removals and Changes Account 607.

[fol. 3076] Illinois Bell Telephone Company

Annual Depreciation Rates for Clearing Accounts, Chicago Area
January 1, 1923

Property	Life	Salvage	Rate
General Store Equipment	8	50	6.2
General Stable and Garage Equipment	5	20	16.0
General Tools and Implements	3	45	18.3

[fol. 3077] Illinois Bell Telephone Company

Depreciation Rates Applicable to Classes of Plant Effective January 1, 1921
Chicago Area

Class of Plant	Life in Yrs.	Salvage	Deprec. Rate %	Composite Rates by Accounts
Right-of-Way—Exchange	20	0	5.0	5.0
" " " —Toll	40	0	2.5	2.5
Buildings—Fireproof	40	40	1.5	2.5
" —Fireproof C. O.	25	30	2.8	
" —Non-Fireproof	20	20	4.0	
C. O. Equipment	10	20	8.0	8.0
Station Apparatus	5	65	7.0	7.0
Station Installations	..	..	....	....
Interior Block Wires	7	45	8.0	8.0
Private Branch Exchanges	7	45	8.0	8.0
Booths and Special Fittings	13	0	7.7	7.7
Exchange Pole Lines	14	30	5.0	5.0
Exchange Aerial Cable	15	28	4.8	5.2
Exchange Aerial Wire—Copper	7	15	12.0	
" " " —Covered Line	7	15	2.4	
" " " —Covered Drop	50	0	2.0	2.4
Exchange U. G. Conduit—Main	20	0	5.0	
" " " —Subsidiary	25	40	2.4	2.7
Exchange U. G. Cable—Main	20	20	4.0	
" " " —Subsidiary	10	0	10.0	10.0
Exchange Submarine Cable	16	0	6.3	6.3
Toll Pole Lines	18	35	3.6	3.6
Toll Aerial Cable	18	30	3.9	3.9
Toll Aerial Wire—Copper	11	15*	10.5	
" " " —Iron	20	0	5.0	
" " " —Load Coils	50	0	2.0	2.0
Toll U. G. Conduit	25	40	2.4	2.5
Toll U. G. Cable—Cable	25	0	4.0	
" " " " —Load Coils	10	0	10.0	10.0
Toll Submarine Cable	10	20	8.0	8.0
Office Furniture and Fixtures				

56% of Exchange Aerial Wire account retired through the Station Removals and Changes Account 607.

[*Red figure.]

[fol. 3078]

EXHIBIT A-126

Illinois Bell Telephone Company

Annual Depreciation Rates, Chicago Area, January 1, 1931

Property	Basic Rates			Composite Rates
	Life	Salvage	Rate	
Exchange Right-of-Way	35	0	2.9	2.9
Toll Right-of-Way	50	0	2.0	2.0
Buildings				
General Office	40	0	2.5	
Cent. Office—Manual	25	20	3.2	
Cent. Office—Dial	35	20	2.3	2.7
Garages and Warehouses	25	15	3.4	
Imp'ts. to Rented Qtrs.	25	0	4.0	
C. O. Telephone Equipment				
Manual	13	10	6.9	
Dial	18	5	5.3	6.8
Toll	8	20	10.0	
Other Equipment of C. O.	9	35	7.2	7.2
Station Apparatus				
Sub-Station	4.5	70	6.7	6.8
Telephone Typewriters	3	65	11.7	
Private Branch Exchanges				
Non-Multiple and Small Dial	6	55	7.5*	
Multiple and Large Dial	12	15	7.1	7.3
Booths and Special Fittings	10	60	4.0	4.0
Exchange Pole Lines	23	10*	4.8	4.8
Exchange Aerial Cable	16	10	5.6	5.6
Exchange U. G. Conduit				
Main	50	0	2.0	2.3
Subsidiary	30	0	3.3	
Exchange U. G. Cable				
Main Subscribers	25	30	2.8	
Subsidiary	15	0	6.7	
House	22	0	4.5	3.5
Trunk	27	30	2.6	
Load Coils	10	40	6.0	

* Red figure.

[fol. 3079]

Exchange Submarine Cable	20	0	5.0	5.0
Toll Pole Lines	20	5*	5.3	5.3
Toll Aerial Cable				
Cable	20	20	4.0	4.1
Load Coils	20	0	5.0	
Toll Aerial Wire				
Copper	15	25	5.0	5.0
Load Coils	20	0	5.0	
Toll U. G. Conduit	50	0	2.0	2.0
Toll U. G. Cable				
Cable	30	25	2.5	3.1
Load Coils	20	0	5.0	
Toll Submarine Cable	20	0	5.0	5.0
Office Furniture and Fixtures	12	20	6.7	6.7
General Store Equipment	12	10	7.5	7.5
General Stable and Garage Equipment				
Motor Vehicles				
Group 1	4	15	21.3	
Group 2	6	10	15.0	
Group 3	8	10	11.3	14.8
Group 4	7	0	14.3	
Repair Shop Equipment	6	5	15.8	
General Tools and Implements				
Special Tools	6	5	15.8	15.8
Other Tools	1.5	70	20.0	20.0

*Red figure.

[fol. 3080]

EXHIBIT A-127

Illinois Bell Telephone Company, Chicago Area

Depreciation Expense

Year	Annual Depreciation Expense (Acct. 608)	Average Plant in Service and Office Furn. and Fixt. excluding Land and Right-of-Way.		Average Plant in Service and Office Furn. and Fixt. excluding Land, Right-of-Way, Station Installations, Interior Block Wires and Drop Wires.	
		Amount	Depreciation %	Amount	Depreciation %
1923	4,480,954	90,963,101	4.926	83,953,040	5.337
1924	4,709,950	102,491,394	4.595	94,581,482	4.980
1925	5,385,712	114,745,425	4.694	106,112,555	5.075
1926	6,203,022	130,160,935	4.766	120,830,173	5.134
1927	6,839,392	142,699,039	4.793	132,711,243	5.154
1928	7,641,461	157,540,605	4.850	146,638,649	5.211
1929	8,120,382	171,584,396	4.733	158,921,111	5.110
1930	8,769,886	183,675,833	4.775	170,367,461	5.148
1931	9,146,268	190,958,107	4.790	177,469,064	5.154

[fol. 3081]

Exhibit A-128

Illinois Bell Telephone Company, Chicago Area

Jan. 1, 1930, Depreciation Study Life and Salvage Data

[fol. 3082[

Illinois Bell Telephone Company, Chicago Area

Depreciable Property Accounts Investment as of December 31, 1929

Usual Order of Accounts	Grouping for Life Studies	Per Cent of Total Investment	Per Cent of Total Depreciation Expense (1-1-30) Rates)
	Group I		
Exchange Right-of-Way.			
Toll Right-of-Way	Buildings	8.05	4.31
	C. O. Telephone Equip.	33.16	43.14
		41.21	47.45
Buildings:			
C. O. Telephone Equip.	Group II		
Other Equip. of C. O.	Private Branch Exchanges	6.29	8.68
	Exchange Pole Lines	1.89	1.73
Station Apparatus	Toll Pole Lines	.03	.03
	Exchange Aerial Cable	3.47	3.72
Private Branch Exchanges	Exchange U. G. Cable	20.52	13.34
	General Sta. and Gar. Equip.	.40	1.14
Booths and Spec. Fittings.		32.60	28.74
Exchange Pole Lines			
	Group III		
Exchange Aerial Cable	Other Equipment of C. O.	1.05	1.45
	Station Apparatus	10.53	13.70
Exchange U. G. Conduit	Booths and Spec. Fittings	.46	.35
	Toll Aerial Wire	.04	.04
Exchange U. G. Cable	Office Furniture and Fixtures	1.01	1.30
	General Store Equipment	.04	.05
Exchange Submarine Cable	General Tools and Impls.	.24	.88
Toll Pole Lines.		13.37	17.77

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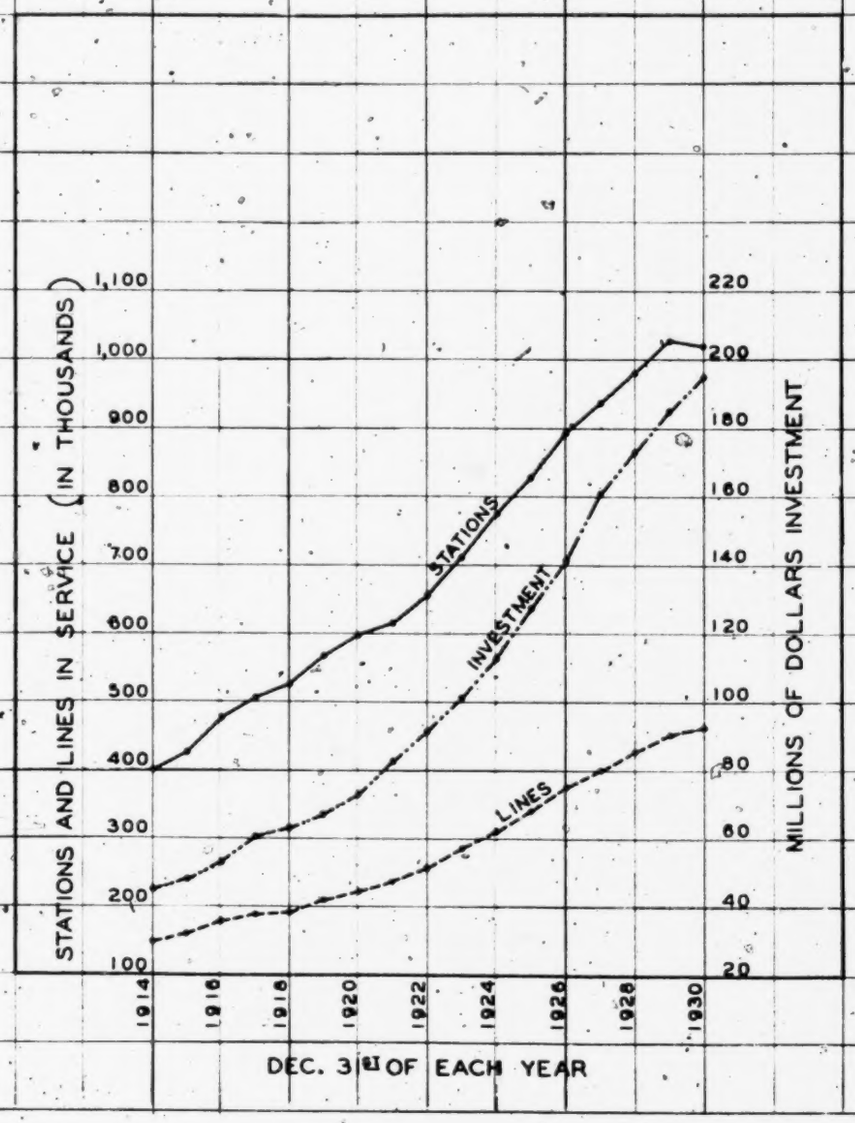
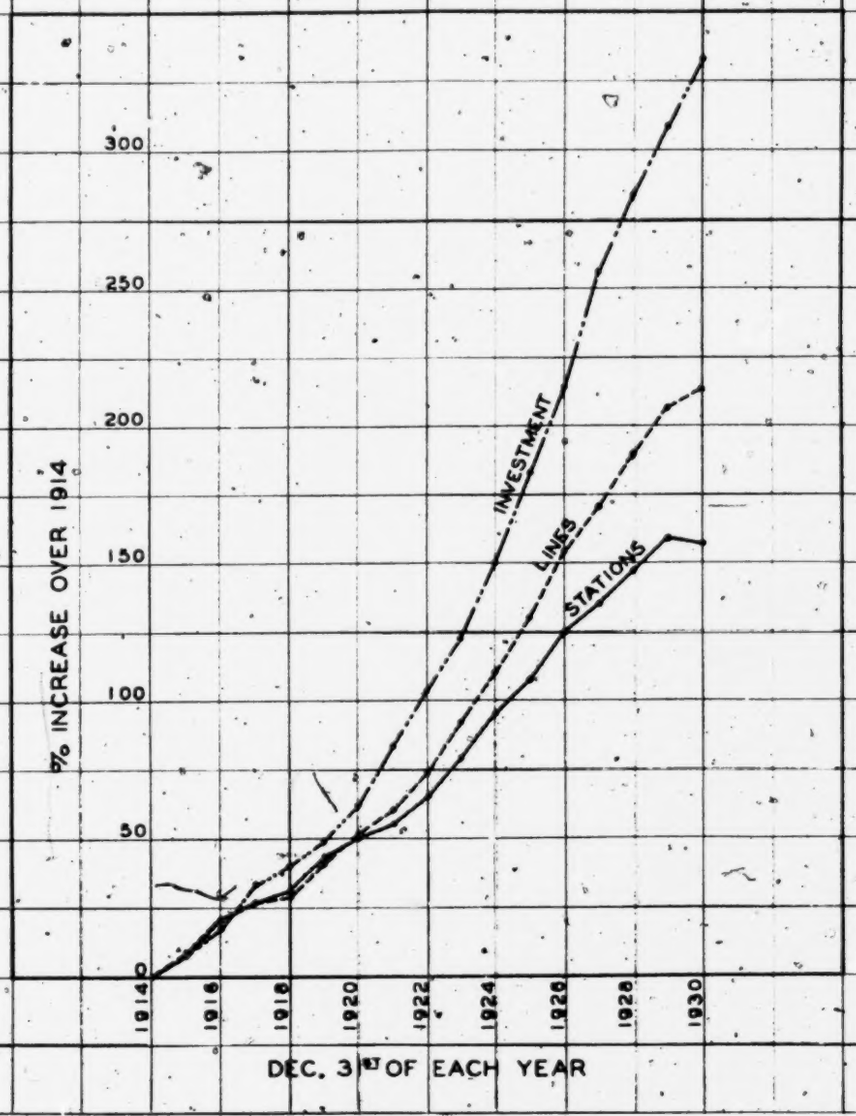
Usual Order of Accounts	Grouping for Life Studies	Per Cent of Total Investment	Per Cent of Total Depreciation Expense (1-1-30) Rates)
	Group IV		
Toll Aerial Cable	Exchange Right-of-Way	.22	.12
	Toll Right-of-Way	—*	—*
Toll Aerial Wire	Toll Aerial Cable	.01	.01
	Exchange U. G. Conduit	9.84	4.33
Toll U. G. Conduit	Toll U. G. Conduit	.27	.10
	Toll U. G. Cable	2.47	1.47
Toll U. G. Cable	Exchange Submarine Cable	.01	.01
	Toll Submarine Cable	—*	—*
Toll Submarine Cable.		12.82	6.04
Office Furniture and Fixt.			
Special Store Equip.			

*Negligible (Less than .005 in all cases)

(Here follows chart, side folio 3083)

ILLINOIS BELL TELEPHONE COMPANY
CHICAGO AREA
STATIONS, SUBSCRIBERS LINES AND INVESTMENT (BOOK COST)





EUGENE DIETZGEN CO. CHICAGO NEW YORK NO. 340 ©

[fol. 3084] Illinois Bell Telephone Company, Chicago Area

Depreciable Property Accounts

Investment as of December 31, 1929

Description	Per Cent of Total Investment	Per Cent of Total Depreciation Expense 1-1-30 Rates
Group I		
Buildings	8.05	4.31
C. O. Telephone Equip.	33.16	43.14
	41.21	47.45
Group II		
Private Branch Exchanges	6.29	8.78
Exchange Aerial Cable	3.47	3.72
Exchange U. G. Cable	20.52	13.34
	30.28	25.84
Group III		
Station Apparatus	10.53	13.70
Group IV		
Exchange U. G. Conduit	9.84	4.33
Total of Seven Principal Accounts	91.86	91.32
Total of All Other Accounts	8.14	8.68
Total of All Accounts	100.00	100.00

[fol. 3085] Annual Depreciation Rates Effective January 1, 1930, and Relative Investment Proportions for Property Included in Group I

Property	Per Cent of Total Depreciable Property Investment Dec. 31, 1929	Basic Rates			Composite Rates
		Life	Salvage	Rate	
C. O. Telephone Equipment					
Manual	18.96	13	10	6.9	
Dial	10.25	18	5	5.3	6.8
Toll	3.95	8	20	10.0	
	33.16				
Buildings					
Central Office—Manual	3.53	25	20	3.2	
Central Office—Dial	2.93	35	20	2.3	
General Office	1.32	40	0	2.5	2.8
Garages and Warehouses	.24	25	15	3.4	
Imp'ts. to Rented Quarters	.03	25	0	4.0	
	8.05				
Total	41.21				

[fol. 3086] Historical Data Relating to Equipment in Kedzie Central Office

Illustrating Interrelation of Parts Installed in Different Years and Effect of Additions Upon Average Life of the Equipment

Year	Book Cost of Equipment (Actual 1906–1929, Estimated 1930–1936) Installed During Year (1)	Retired During Year (2)	In Service at End of Year (3)	Average in Service During Year (4)	Accumulated Dollar-Years To End of Year (5)	Total Cost of Equipment Installed To End of Year (6)	Average Realized Life of Equipment At End of Year (5) ÷ (6) (7)	Age of Office At End of Year (Years Since Initial Installation) (8)
1906	69,573	.....	69,573	34,787	34,787	69,573	.50 Yrs.	0.5 Yrs.
1907	14,564	.....	84,137	76,855	111,642	84,137	1.33	1.5
1908	39,421	8,307	115,251	99,694	211,336	123,558	1.71	2.5
1909	17,236	1,629	130,858	123,054	334,390	140,794	2.38	3.5
1910	28,236	1,263	157,831	144,345	478,735	169,030	2.83	4.5
1911	3,227	315	160,743	159,287	638,022	172,257	3.70	5.5
1912	46,988	4,839	202,892	181,817	819,839	219,245	3.74	6.5
1913	31,944	2,764	232,072	217,482	1,037,321	251,189	4.13	7.5
1914	48,993	6,134	274,931	253,502	1,290,823	300,182	4.30	8.5
1915	132,133	5,473	401,591	338,261	1,629,084	432,315	3.77	9.5
1916	6,427	1,391	406,627	404,109	2,033,193	438,742	4.63	10.5
1917	8,327	959	413,995	410,311	2,443,504	447,069	5.47	11.5
1918	18,982	856	432,121	423,058	2,866,562	466,051	6.15	12.5
1919	9,071	340	440,852	436,486	3,303,048	475,122	6.95	13.5
1920	7,245	597	447,500	444,176	3,747,224	482,367	7.77	14.5
1921	67,718	1,710	513,508	480,504	4,227,728	550,085	7.69	15.5
1922	95,690	5,515	603,683	558,596	4,786,324	645,775	7.41	16.5
1923	137,798	4,361	737,120	670,401	5,456,725	783,573	6.96	17.5
1924	35,685	2,041	770,764	753,942	6,210,667	819,258	7.58	18.5
1925	167,029	12,240	925,553	848,159	7,058,826	986,287	7.16	19.5
1926	148,793	429	1,073,917	999,735	8,058,561	1,135,080	7.10	20.5
1927	87,016	14,108	1,146,825	1,110,371	9,168,932	1,222,096	7.50	21.5
1928	.....	.....	1,146,825	1,146,825	10,315,757	1,222,096	8.44	22.5
1929	62,659	1,510	1,207,974	1,177,399	11,493,156	1,284,755	8.95	23.5

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

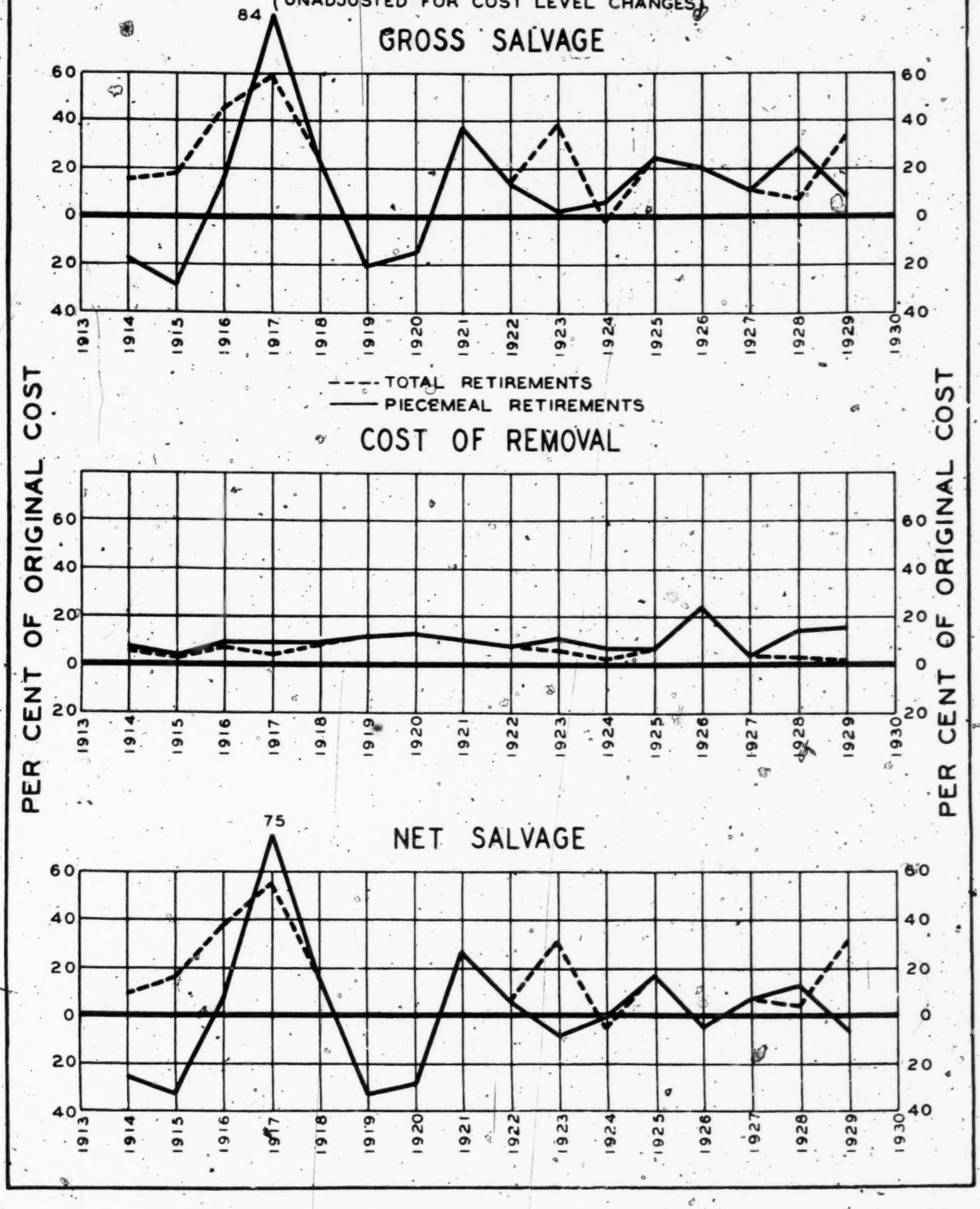
MANUAL CENTRAL OFFICE TELEPHONE EQUIPMENT

AVERAGE SERVICE LIFE

Office	Year of Initial Installation	Estimated Year of Retirement	Age from Initial Installation to 12-31-29	Average Realized Life 12-31-29	Estimated Age from Initial Installation to Retirement	Initial Cost Plus Estimated Total Gross Additions to Retirement	Estimated Total Dollar Years to Retirement	Estimated Average Realized Life at Retirement	Investment 12-31-29	Annual Requirements
A	B	C	D	E	F	G	H	I	J	K = J ÷ I
Austin	1917	1937	12.5	9.42	20	$ 1,947,212.	$20,488,095.	10.52	1,295,538	123,150
Belmont	1914	1938	17.5	8.00	24	2,088,899.	23,923,581.	11.45	1,229,108	107,346
Beverly	1919	1940	15.5	5.10	26	1,303,263.	12,988,413.	9.97	557,454	55,913
Calumet	1900	1933	29.5	8.71	33	1,234,716.	14,263,750.	11.55	1,101,461	95,365
Canal	1902	1932	27.5	7.99	30	845,521.	8,196,910.	9.69	691,260	71,337
Dearborn	1923	1931	8.5	6.57	10	1,312,693.	10,510,238.	8.01	1,259,778	157,276
Delaware	1900	1871	29.5	12.23	31	577,266.	7,752,197.	13.43	454,785	33,863
Douglas	1903	1937	26.5	12.05	34	471,496.	8,268,450.	17.54	349,444	19,923
Edgewater	1907	1940	22.5	8.70	33	1,604,723.	29,409,702.	18.33	1,493,703	81,490
Humboldt	1905	1930	24.5	6.77	25	1,426,334.	15,925,245.	11.17	1,226,481	109,801
Hyde Park	1915	1936	14.5	7.51	19	2,213,687.	24,688,489.	11.15	1,977,822	177,383
Irving	1916	1942	15.5	7.16	23	2,124,942.	30,447,935.	14.33	1,256,706	87,698
Kedzie	1906	1933	23.5	8.95	30	1,605,055.	20,235,087.	12.61	1,207,975	95,795
Kildare	1917	1933	12.5	9.04	26	2,465,168.	32,567,557.	13.21	1,323,952	100,223
Lafayette	1918	1936	11.5	8.20	18	810,356.	7,867,017.	9.71	513,025	52,855
Lakeview	1901	1935	28.5	8.06	34	2,663,994.	29,749,848.	11.17	1,987,697	177,950
Lawndale	1910	1938	19.5	9.01	28	1,754,333.	21,526,311.	12.27	1,258,554	102,572
Lincoln	1903	1933	26.5	8.42	30	1,147,379.	12,207,724.	10.64	963,553	90,559
Merrimac	1926	1944	3.5	3.02	18	2,009,412.	22,528,483.	11.21	820,449	55,348
Monroe	1899	1932	30.5	11.22	33	1,004,683.	12,854,704.	12.79	842,348	65,860
Newcastle	1923	1942	6.5	3.62	19	674,716.	6,579,081.	9.75	228,378	23,423
Oakland	1901	1930	28.5	11.28	38	1,380,073.	24,173,599.	17.52	1,165,660	66,533
Prospect	1915	1939	14.5	5.97	24	1,994,649.	21,975,653.	11.02	1,203,229	109,186
Pullman	1916	1939	13.5	6.92	23	1,084,596.	10,925,702.	10.07	506,654	50,313
Rogers Park	1915	1935	14.5	5.84	20	2,208,492.	18,064,712.	8.18	1,409,989	172,370
South Chicago	1917	1938	12.5	5.77	21	1,242,939.	15,733,972.	12.66	978,908	77,323
Stewart	1914	1942	15.5	5.84	27	3,002,779.	35,666,086.	11.88	1,629,228	137,140
Wentworth	1901	1934	28.5	7.85	33	1,149,602.	17,164,860.	14.93	948,526	63,532
West	1901	1932	28.5	11.04	31	842,422.	10,747,904.	12.76	708,865	55,554
Yards	1901	1924	23.5	7.12	23	775,774.	11,782,187.	15.19	690,738	45,473
Total					26.6	$44,987,174.	$539,213,490.	11.67	31,081,268	2,662,534

3087

ILLINOIS BELL TELEPHONE COMPANY
CHICAGO AREA
MANUAL C.O. TELEPHONE EQUIPMENT
(UNADJUSTED FOR COST LEVEL CHANGES)



1930	36,000	700	1,243,274	1,225,624	12,718,780	1,320,755	9.63	24.5
1931	51,100	6,200	1,288,174	1,265,724	13,984,504	1,371,855	10.19	25.5
1932	50,300	7,300	1,331,174	1,309,674	15,294,178	1,422,155	10.75	26.5
1933	54,700	7,100	1,378,774	1,354,974	16,649,152	1,476,855	11.27	27.5
1934	51,300	1,500	1,428,574	1,403,674	18,052,826	1,528,155	11.81	28.5
1935	39,800	400	1,467,974	1,448,274	19,501,100	1,567,955	12.44	29.5
1936	37,100	1,505,074	0	733,987	20,235,087	1,605,055	12.61	30.5
Total..	1,605,055	1,605,055						

36—440

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[fol. 3089] Illinois Bell Telephone Company, Chicago Area

Toll Central Office Telephone Equipment

Average Realized Life

Toll Switchboard Equipment

Age of Office	No. 1 Toll Office Long Lines		No. 1 Toll Office Other Than Long Lines		Composite
	Investment	Average Realized Life	Investment	Average Realized Life	Average Realized Life
0	108,719	.50	246,717	.50	.50
1	108,719	1.50	276,552	1.38	1.41
2	127,051	2.10	311,874	2.15	2.14
3	135,043	2.90	314,651	3.12	3.05
4	135,340	3.85	336,607	3.86	3.86
5	144,278	4.52	340,371	4.79	4.71
6	151,213	5.23	380,993	5.21	5.22
7	168,660	5.61	446,012	5.25	5.35
8	253,983	4.49	477,449	5.83	5.36
9	314,168	4.41	512,481	6.37	5.63
10	418,493	4.06	550,153	6.86	5.65
11	514,861	4.12	594,917	7.01	5.67
12	591,962	4.48	590,998	7.92	6.20
13	755,076	4.38	597,716	8.75	6.31
14	770,417	5.04	597,716	9.68	7.07
15	784,882	5.29	641,480	9.87	7.35
16	877,187	5.27	679,660	10.24	7.44
17	1,058,707	5.20	693,438	10.96	7.48
18	1,300,710	4.97	0	11.42	4.97
19	1,346,346	5.54			5.54
20	376,780	5.76			5.76

Toll Line Equipment

Age of Office	Morrell Park		Franklin Building	
	Investment	Average Realized Life	Investment	Average Realized Life
0	70,295	.50	75,969	.50
1	71,820	1.47	92,786	1.32
2	122,567	1.51	385,636	.93
3	95,320	2.20	825,719	1.16
4	103,977	2.74	1,145,224	1.69
5	115,079	3.03	1,481,441	2.18
6	126,602	3.50	1,899,155	2.53
7	133,770	4.01	2,279,868	2.65
8	178,199	3.92		
9	273,580	3.47		
10	428,291	2.97		
11	492,862	3.38		
12	572,985	3.65		
13	699,342	3.80		
14	736,374	4.32		
15	756,049	4.65		
16	794,243	5.13		
17	807,077	5.61		

(Here follows side folio 3090)

[fol. 3080]

Illinois Bell Telephone Company, Chicago Area

Manual Central Office Buildings

Average Service Life and Net Salvage

Some Manual Buildings Incorporated into New Dial Buildings

Buildings	Year of Initial Construction	Estimated Year of Retirement	Age of Initial Construction 12-31-29	Average Realized Life 12-31-29	Age of Initial Construction at Retirement	Initial Cost Plus Estimated Total Gross Additions to Retirement	Estimated Total Dollar Years to Retirement	Average Realized Life at Retirement	Investment 12-31-29	Annual Requirements	Net Salvage Per Cent	Net Salvage on Annual Requirements
A	B	C	D	E	F	G	H	I	J	K=J÷I	L	M=K×L
Belmont	1912	1938	17.5	13.1	26	179,876	3,372,656	18.8	148,764	7,913	27.1	2,144
Calumet (Old)	1900	1933	29.5	15.1	33	26,434	471,882	17.9	20,904	1,168	14.4	168
Calumet (New)	1916	1933	13.5	12.6	17	155,741	2,508,280	16.1	154,233	9,580	38.9	3,729
Canal	1902	1932	27.5	10.0	30	127,221	1,562,615	12.3	117,647	9,565	32.3	3,089
Delaware	1900	1931	29.5	22.8	31	73,041	1,768,338	24.2	67,977	2,809	55.9	1,570
Douglas	1903	1937	26.5	18.7	34	49,603	1,269,109	25.6	45,586	1,781	79.0	1,407
Edgewater	1907	1940	22.5	13.2	33	201,016	4,629,015	23.0	189,041	8,219	23.8	1,956
Humboldt	1905	1933	24.5	14.9	28	145,483	2,651,683	18.2	139,964	7,690	35.7	2,745
Irving	1914	1942	15.5	10.0	28	273,564	4,688,192	17.1	169,959	9,939	23.6	2,346
Kedzie	1906	1936	23.5	10.6	30	236,780	3,979,876	16.8	226,072	13,457	23.0	3,095
Lakeview (Old)	1901	1935	28.5	18.4	34	103,566	2,446,436	23.6	99,147	4,201	29.0	1,218
Lawndale	1909	1936	20.5	12.1	27	224,447	3,747,231	16.7	190,198	11,389	14.8	1,686
Lincoln	1908	1933	21.5	11.6	25	188,848	2,815,404	14.9	179,256	12,031	11.7	1,408
Main	1888	1932	41.5	25.0	44	520,413	14,123,951	27.1	452,600	16,701	....	....
Monroe	1899	1932	30.5	13.1	33	179,213	2,779,767	15.5	171,882	11,089	14.5	1,608
Morrell Park	1897	1932	32.5	18.2	35	60,307	1,240,608	20.6	57,803	2,806	25.9	727
Oakland	1895	1937	34.5	14.1	42	156,889	3,320,921	21.2	147,789	6,971	8.8	613
Prospect	1915	1939	14.5	8.0	24	284,567	3,528,717	12.4	185,701	14,976	23.7	3,549
Stewart	1914	1941	15.5	6.6	27	350,057	4,827,834	13.8	240,281	17,412	26.1	4,545
Toll	1908	1932	21.5	19.1	24	575,309	12,320,906	21.4	532,640	24,890	....	....
Wentworth	1901	1934	28.5	20.9	33	120,361	3,037,189	25.2	115,755	4,593	15.6	717
West	1900	1932	29.5	13.3	32	209,143	3,281,910	15.7	198,893	12,668	11.1	1,406
Yards	1901	1934	28.5	12.5	33	144,440	2,421,530	16.8	136,754	8,140	13.2	1,074
Sub-Total	....	....	....	....	..	4,586,319	86,794,050	18.1	3,988,846	219,988	18.5	40,798
Austin	1916	1977	13.5	9.1	61	611,584	22,108,521	36.2	208,446	5,758	16.7	962
Beverly	1914	1980	15.5	7.2	66	706,713	26,466,459	37.5	134,378	3,583	7.0	251
Hyde Park	1915	1974	14.5	10.9	59	698,639	26,876,882	38.5	266,665	6,926	18.7	1,295
Kildare	1917	1983	12.5	9.0	66	885,153	33,972,002	38.4	232,212	6,047	17.7	1,070
Lafayette	1917	1976	12.5	12.2	59	590,080	19,636,777	33.3	120,859	3,629	7.1	258
Lakeview	1915	1975	14.5	14.5	60	627,746	20,464,760	32.6	121,746	3,735	21.6	807
Merrimac	1926	1984	3.5	3.5	58	1,292,221	48,979,706	37.9	237,880	6,277	15.7	985
Pullman	1916	1979	13.5	9.5	63	600,320	22,800,629	38.0	112,161	2,952	7.2	213
Rogers Park	1915	1975	14.5	9.5	60	894,500	32,289,664	36.1	181,765	5,035	18.0	906
South Chicago	1917	1978	12.5	8.6	61	628,484	21,714,256	34.6	170,135	4,917	7.7	379
Sub-Total	....	....	....	....	....	7,535,440	275,309,656	36.6	1,786,247	48,859	14.6	7,126
Total	....	....	....	....	....	12,121,759	362,103,706	21.5	5,775,093	268,847	17.8	47,924

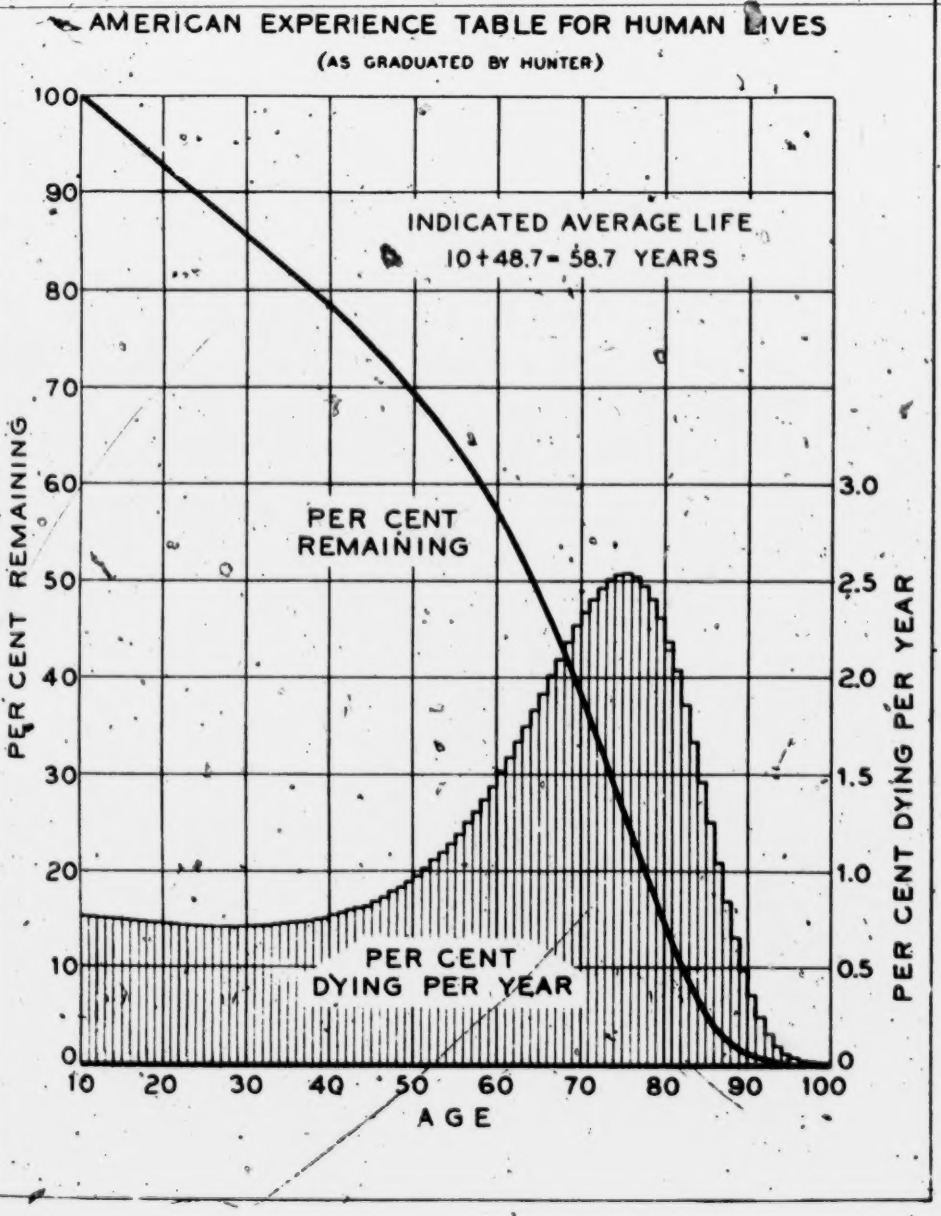
[fol. 3091] Annual Depreciation Rates Effective January 1, 1930 and Relative Investment Proportions for Property Included in Group II

Property	Per Cent of Total Depreciable Property Investment Dec. 31, 1929	Basic Rates			Composite Rates
		Life	Salvage	Rate	
Private Branch Exchanges:					
Non-Multiple and Small Dial	3.87	6	55	7.5	7.3
Multiple and Large Dial	2.42	12	15	7.1	
	6.29				
Exchange Aerial Cable	3.47	16	10	5.6	5.6
Exchange U. G. Cable:					
Main Subscribers	8.85	25	30	2.8	
Trunk	5.70	27	30	2.6	
Subsidiary	1.44	15	0	6.7	3.4
House	3.79	22	0	4.5	
Load Coils	.74	10	40	6.0	
	20.52				
Exchange Pole Lines	1.89	23	10*	4.8	4.8
Toll Pole Lines	.03	20	5*	5.3	5.3
General Stable and Garage Eqpt.					
Motor Vehicles					
Group 1	.10	4	15	21.3	
Group 2	.07	6	10	15.0	
Group 3	.20	8	10	11.3	14.7
Group 4	—†	7	0	14.3	
Repair Shop Equipment	.03	6	5	15.8	
	.40				
Total	32.60				

*[Red figure.]
†Negligible (Less than .005)

(Here follow charts, side folios 3092-3107)

GRADUATED LIFE-TABLE AND RELATED MORTALITY CURVE



FINAL SUMMARY OF HISTORICAL DATA FOR MORTALITY STUDY

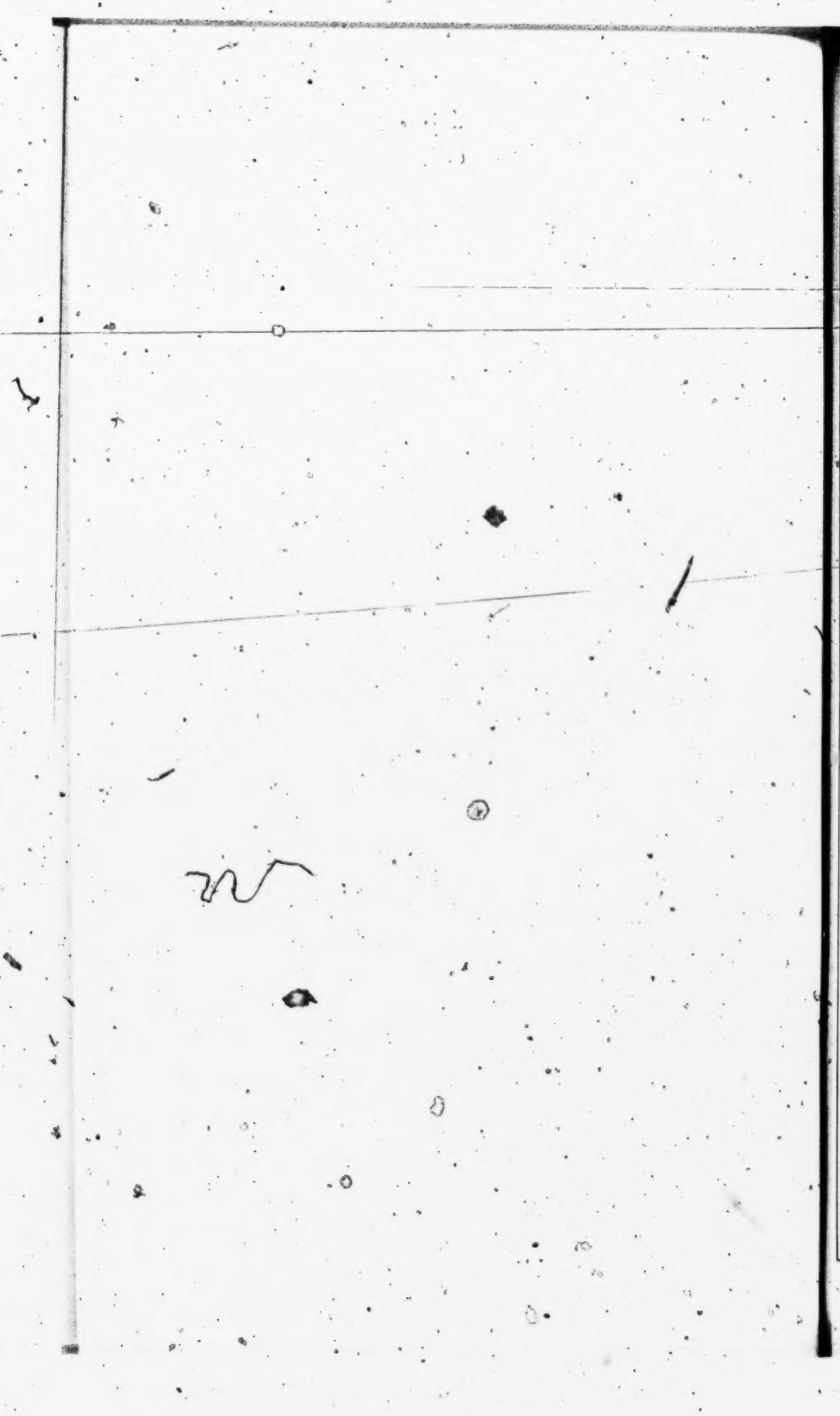
UPPER FIGURES PLANT REMAINING IN SERVICE AT BEGINNING OF Nᵀᴴ CALENDAR YEAR AFTER YEAR OF PLACING
LOWER FIGURES PLANT RETIRED DURING Nᵀᴴ CALENDAR YEAR AFTER YEAR OF PLACING

YEAR OF PLACING	(a) TOTAL AMOUNT OF PLANT PLACED	(b) TOTAL AMOUNT OF PLANT RETIRED	(c) TOTAL AMOUNT OF PLANT STILL IN SERVICE (a)-(b)	N= 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1888	1,080	1,080	-	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	680	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	-
				-	-	-	-	-	-	-	-	-	360	360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889	877	877	-	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	187	680	680	680	680	680	680	680	680	680	680	680	680	680	-
1890	3,208	1,308	680	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	3,208	1,735	1,735	1,735	680	680	680	680	680	680	680	680	680	680	680	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,028	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891	20,753	15,072	5,681	20,753	20,753	20,753	20,753	19,960	17,062	13,992	13,652	13,179	13,179	13,179	13,179	13,179	11,651	11,114	10,776	9,414	9,076	7,366	6,865	5,811	5,811	4,734	3,701	2,681	2,681	-	-	-	-	-
				-	-	-	-	793	2,898	3,000	340	472	-	-	-	-	1,528	537	1,340	340	472	1,040	501	680	1,056	1,077	1,033	1,020	-	-	-	-	-	-
1892	27,266	21,980	5,286	27,266	27,266	27,266	27,266	27,033	18,969	16,643	15,983	14,230	14,017	13,337	13,337	11,129	9,295	7,478	6,865	5,260	5,268	4,938	4,938	3,908	2,380	2,380	2,380	2,060	1,700	1,340	-	-	-	-
				-	-	-	-	4,233	8,824	4,209	680	1,113	213	680	-	-	1,631	1,634	613	340	340	340	-	-	1,030	1,528	-	-	340	360	360	360	-	-	-
1893	34,806	31,680	3,286	34,806	34,806	34,666	32,391	31,258	30,218	28,911	28,139	26,668	25,688	23,013	20,061	19,361	15,614	14,981	12,028	11,768	8,692	8,652	5,265	5,026	5,026	3,666	3,326	3,326	-	-	-	-	-	-
				-	-	140	2,273	1,133	1,080	1,027	472	1,480	1,080	2,613	2,934	680	3,247	1,133	2,473	340	3,068	2,040	1,040	2,387	-	-	340	340	-	-	-	-	-	-	-
1894	37,082	34,782	2,300	37,082	37,082	35,961	32,942	29,609	27,643	26,083	25,743	23,230	21,604	20,364	19,894	17,951	13,822	13,010	9,989	9,836	8,136	6,761	5,268	3,060	3,060	3,060	2,726	-	-	-	-	-	-	-
				-	-	1,121	1,153	1,816	1,946	1,360	1,341	1,480	1,080	1,080	1,366	2,173	2,886	815	3,021	1,153	680	1,385	1,083	2,408	-	-	-	340	-	-	-	-	-	-	-
1895	47,191	40,090	7,101	38,761	51,263	48,272	47,663	45,980	42,837	42,169	40,644	38,997	32,518	28,016	23,964	21,897	20,200	19,064	18,041	13,364	10,689	9,649	8,024	8,155	7,810	7,003	-	-	-	-	-	-	-	-
				560	1,991	1,091	1,153	1,816	1,946	1,360	1,341	1,480	1,080	1,080	1,366	2,173	2,886	815	3,021	1,153	680	1,385	1,083	2,408	-	-	-	340	-	-	-	-	-	-	-
1896	75,000	64,362	8,638	1,999	73,001	71,909	69,847	67,164	65,813	59,692	56,827	51,885	46,037	41,510	36,360	32,895	31,152	28,866	26,710	22,630	21,616	18,463	16,588	13,034	11,016	9,808	-	-	-	-	-	-	-	-
				1,999	1,092	2,062	2,134	2,816	3,796	3,867	3,817	4,946	5,547	4,650	4,853	1,152	2,886	1,966	4,080	1,989	1,016	3,153	1,877	1,580	2,018	2,208	1,208	360	-	-	-	-	-	-
1897	128,338	90,626	18,914	1,700	126,638	125,538	124,204	121,388	118,572	115,013	110,827	104,939	98,491	91,779	84,507	77,611	72,348	67,198	62,317	60,302	57,348	52,120	48,071	44,643	40,386	39,100	19,340	17,973	15,765	14,278	-	-	-	-
				677	1,100	1,334	1,616	2,816	3,561	4,160	5,179	6,480	6,973	6,712	7,272	6,755	5,843	5,150	4,882	2,020	3,228	4,451	3,449	3,916	3,258	1,208	240	2,208	1,208	1,394	-	-	-	-
1898	110,000	91,776	18,916	677	109,323	107,990	106,374	104,558	100,002	92,619	88,727	80,531	72,904	65,206	56,159	52,979	49,963	47,018	40,521	38,038	32,644	29,633	26,670	23,896	21,087	14,278	-	-	-	-	-	-	-	-
				677	1,333	1,668	1,616	4,556	7,561	3,972	2,972	5,675	5,973	5,798	5,047	2,976	2,980	2,967	6,497	1,483	5,594	2,944	2,963	2,974	2,810	6,809	-	-	-	-	-	-	-	-
1899	109,799	99,614	9,171	1,022	108,777	107,109	104,493	98,723	95,938	84,713	73,003	64,160	55,501	47,986	44,691	40,456	31,367	29,976	28,115	23,899	17,909	16,893	14,808	11,780	-	-	-	-	-	-	-	-	-	-
				1,022	1,668	2,616	5,770	4,785	11,710	6,868	10,838	7,503	4,667	4,295	3,295	3,981	3,889	1,391	4,216	3,216	1,016	3,085	2,085	3,028	11,780	-	-	-	-	-	-	-	-	-
1910	147,252	131,068	16,184	5,572	141,680	138,333	131,259	123,720	109,683	97,542	87,165	79,643	69,611	62,729	54,005	48,093	40,971	38,611	36,095	30,538	25,196	19,283	3,101	-	-	-	-	-	-	-	-	-	-	-
				3,347	3,732	7,074	7,539	14,037	12,141	10,377	7,678	7,078	6,882	7,724	5,924	5,912	6,120	2,360	5,640	5,342	5,913	16,093	3,101	-	-	-	-	-	-	-	-	-	-	-
1911	134,891	108,100	18,111	1,188	133,703	131,183	128,005	110,893	93,139	80,991	71,903	64,571	60,784	53,925	48,599	38,691	32,860	28,725	24,132	21,060	19,603	-	-	-	-	-	-	-	-	-	-	-	-	-
				10,819	13,729	16,118	13,236	16,646	9,988	7,133	5,927	6,270	5,141	5,378	5,054	3,166	3,161	4,471	4,268	3,179	3,716	11,068	-	-	-	-	-	-	-	-	-	-	-	-
1912	221,922	171,631	20,601	2,722	219,200	216,471	211,783	193,767	160,148	137,175	121,910	114,388	106,681	94,336	81,720	72,536	63,353	57,682	49,952	43,938	41,908	35,033	-	-	-	-	-	-	-	-	-	-	-	-
				3,131	2,738	4,683	18,624	32,955	16,227	10,756	11,511	10,805	8,531	8,064	8,663	7,078	8,071	6,353	11,068	3,313	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1913	274,922	214,928	24,818	13,111	261,811	251,970	233,118	196,009	178,031	160,063	143,948	138,911	101,949	90,835	78,760	68,182	59,283	44,260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				10,850	18,852	27,052	17,978	17,022	17,968	17,301	20,631	16,966	11,112	12,069	11,116	11,516	14,977	7,260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1914	305,349	205,730	26,618	17,220	288,129	269,958	250,694	180,030	160,729	140,762	125,618	118,916	93,002	80,685	67,157	57,725	50,081	41,610	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				20,391	20,906	37,993	17,978	17,022	17,968	17,301	20,631	16,966	11,112	12,069	11,116	11,516	14,977	7,260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1915	353,335	253,228	25,727	37,611	315,724	304,134	277,710	202,601	235,130	190,280	169,007	151,753	129,672	118,240	99,908	82,224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				37,611	39,772	74,424	42,109	44,601	44,812	24,853	17,254	23,080	16,083	13,488	16,332	17,684	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	372,952	294,399	78,252	66,749	306,203	296,133	253,286	211,082	180,518	169,730	146,099	133,905	113,176	89,931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				66,749	10,070	42,847	42,204	30,564	10,788	23,631	23,631	13,773	20,246	23,245	11,931	11,188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1917	336,899	250,220	66,079	39,516	297,383	288,620	253,286	182,298	158,738	139,099	122,468	110,659	92,930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				39,516	8,763	35,334	70,988	23,560	19,639	16,631	15,638	17,809	17,729	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1918	313,439	233,328	80,336	34,609	278,830	264,391	240,891	232,902	191,650	153,973	132,168	118,776	97,073	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				34,609	14,439	23,500	8,989	41,252	37,677	20,795	13,870	16,901	21,703	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1919	490,663	390,974	100,689	29,988	460,675	447,088	420,588	420,041	404,727	370,588	349,663	329,741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				29,988	13,587	26,500	6,547	15,686	34,139	20,925	19,925	19,922	20,054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1920	729,752	525,894	117,979	29,934	699,818	688,260	644,208	560,994	530,317	483,181	451,884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				29,934	11,558	44,052	83,214	29,677	52,136	31,297	34,884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1921	613,348	423,188	122,668	31,601	581,747	563,918	544,618	507,530	476,780	448,484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				31,601	17,829	19,300	37,088	31,250	28,296	34,697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	728,977	521,790	277,090	20,727	708,250	539,397	473,225	418,641	356,683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				20,727	168,853	66,172	54,584	61,958	47,557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	779,940	247,497	532,572	31,613	748,327	687,203	561,644	487,979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				31,613	61,124	125,559	73,665	73,665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1924	885,667	220,372	665,295	26,033	859,634	734,430	688,284	560,959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				26,033	125,204	46,146	127,325	73,365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1925	949,372	572,426	376,946	22,102	927,270	802,158	688,284	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				22,102	125,112	113,874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1926	1,093,998	218,877	875,120	70,867	1,023,131	688,284	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				70,867	334,847	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1927	1,167,907	88,167	1,079,740	88,167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	11,923,987	5,270,090	6,793,797	699,091	8,864,256 4,456,978	8,936,069 1,931,683	8,327,699 786,956	6,115,975 695,072	5,197,936 628,448	4,863,321 280,328	4,499,644 230,823	3,532,744 183,335	3,190,920 169,471	3,031,013 137,869	837,076 104,917	631,814 89,130	511,939 78,097	405,830 65,443	383,008 52,197	340,216 31,619	180,188 23,916	143,135 19,798	106,213 16,330	80,682 10,137	51,681 3,708	34,503 3,868	22,227 2,077	13,149 2,046	9,729 340	5,081 340	3,701	1,030	340 340	-

ILLINOIS BELL TELEPHONE COMPANY
CHICAGO
TERRITORIAL DIVISION
CLASS OF PLANT: PRIVATE BRANCH EXCHANGES
SUBSCRIBERS' STATIONS
FIGURES REPRESENT: EQUATED PROPERTY UNITS (EXPRESSED IN DOLLARS)
DATE COMPILED
NAME BUT LINE NOT USED

704 1

12

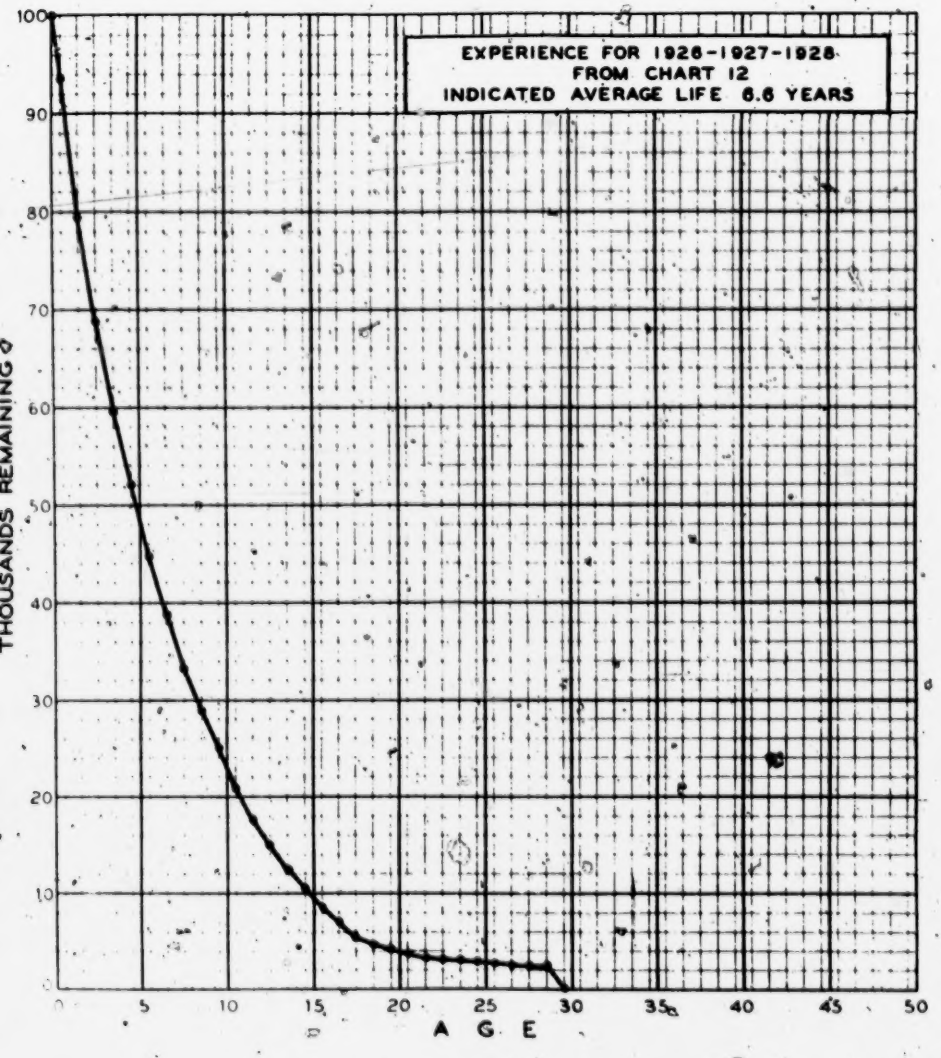


OBSERVED LIFE TABLE

DERIVED FROM "FINAL SUMMARY OF HISTORICAL DATA FOR MORTALITY STUDY"

CHICAGO AREA

NON MULTIPLE PRIVATE BRANCH EXCHANGES

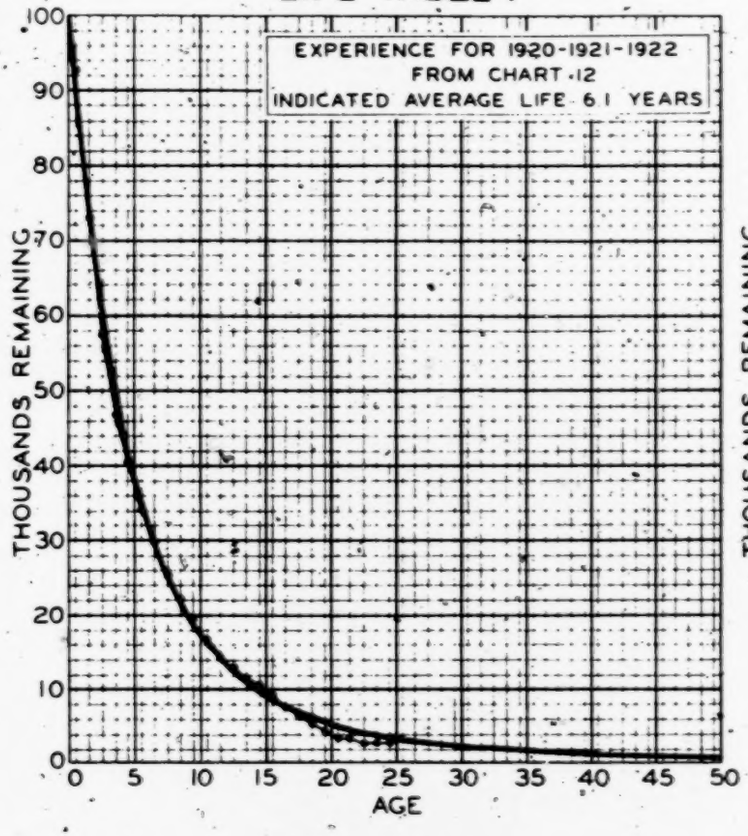


GRADUATED LIFE TABLES

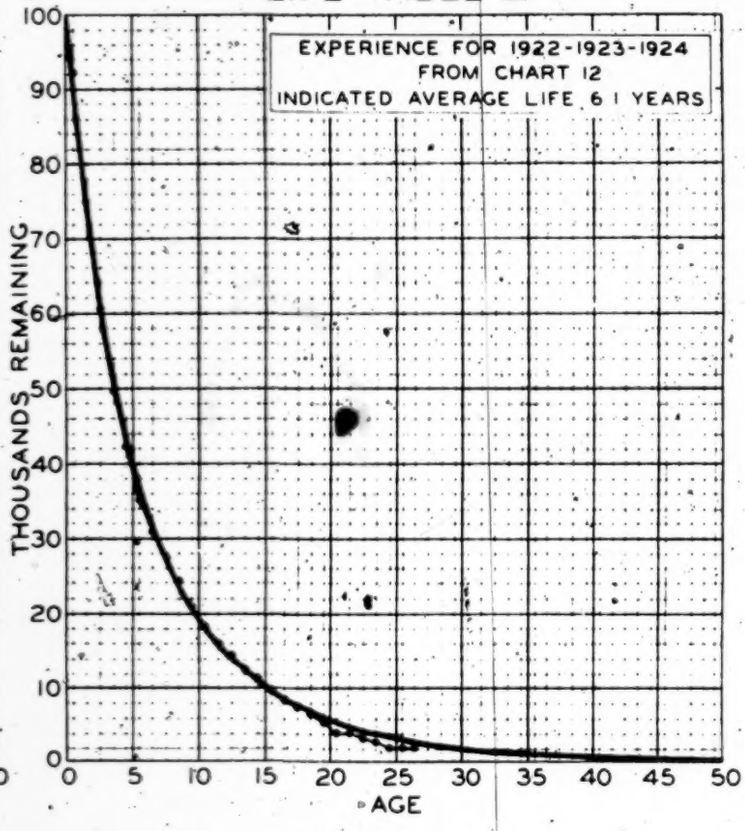
CHICAGO AREA

NON-MULTIPLE PRIVATE BRANCH EXCHANGES

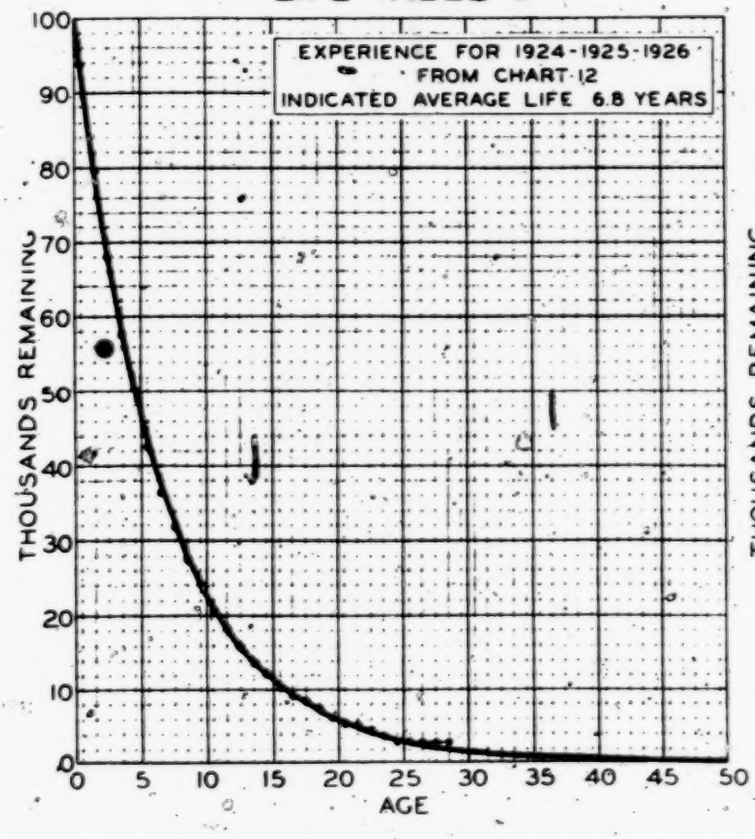
LIFE TABLE 1



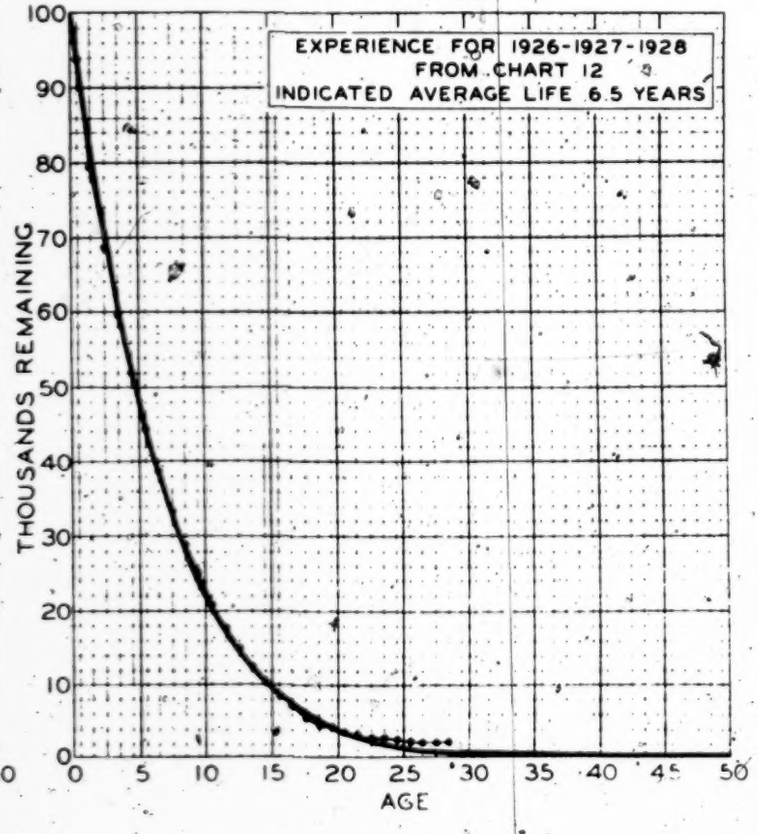
LIFE TABLE 2



LIFE TABLE 3

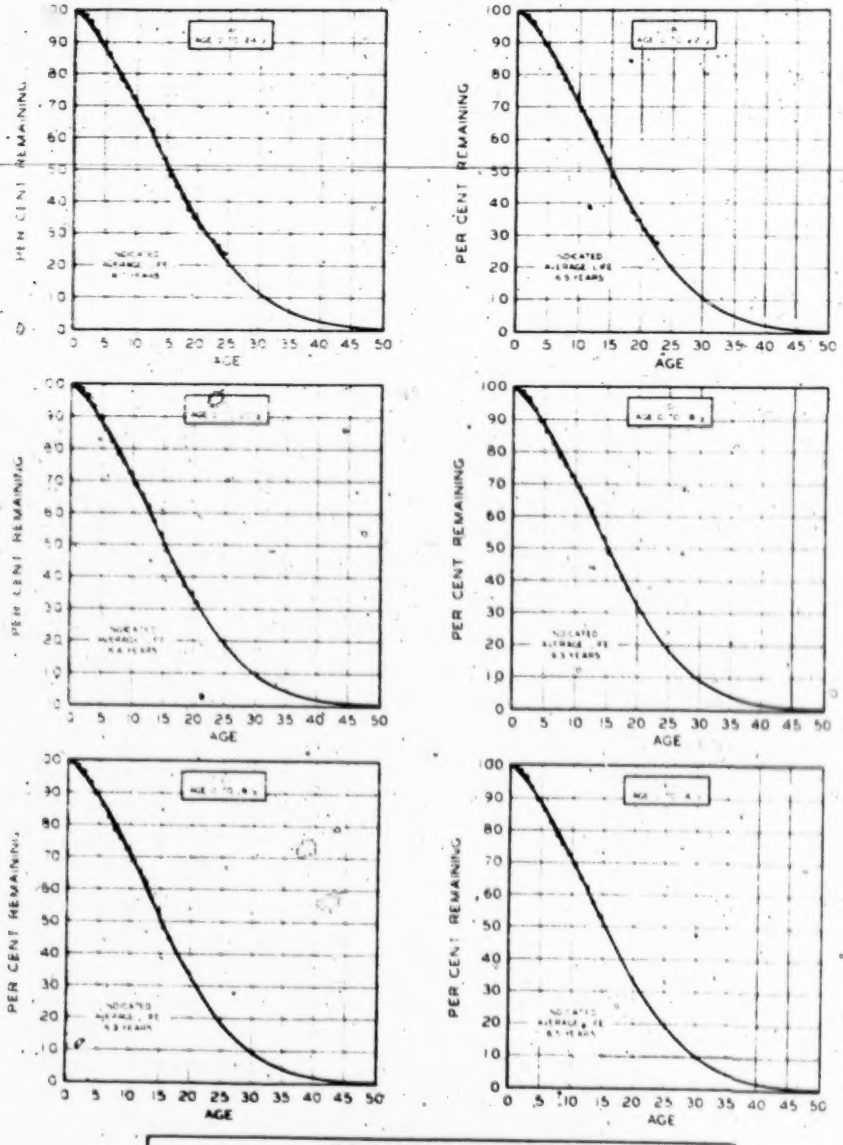


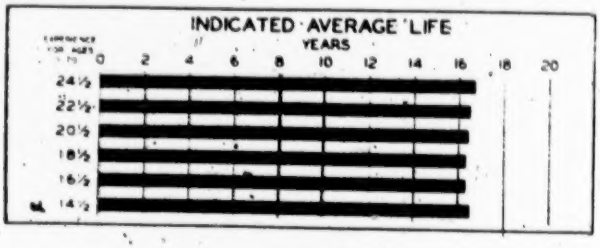
LIFE TABLE 4



CHECK OF GRADUATION PROCESS

APPLIED TO 1924-1925-1926 DATA FOR EXCHANGE AERIAL CABLE





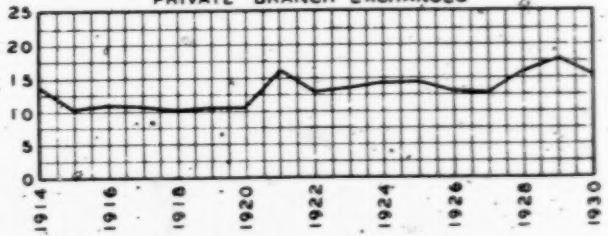
ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

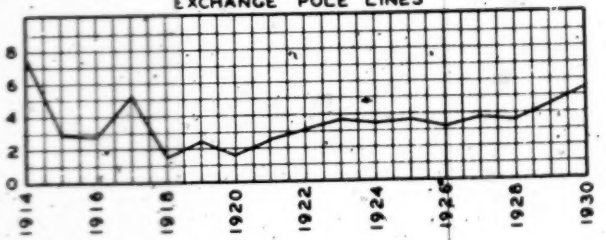
RATE OF RETIREMENT

PER CENT OF PLANT IN SERVICE

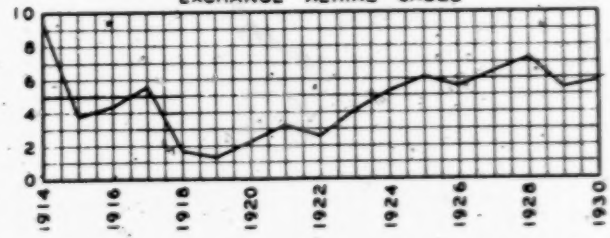
PRIVATE BRANCH EXCHANGES



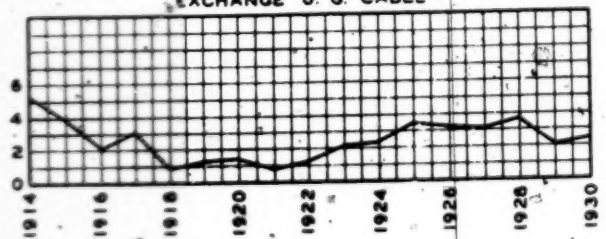
EXCHANGE POLE LINES



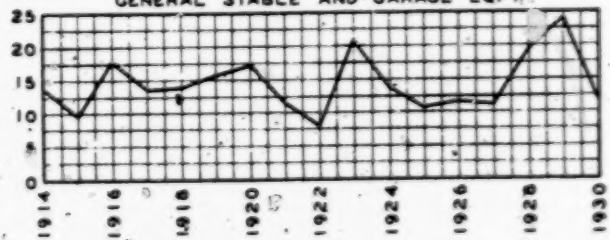
EXCHANGE AERIAL CABLE

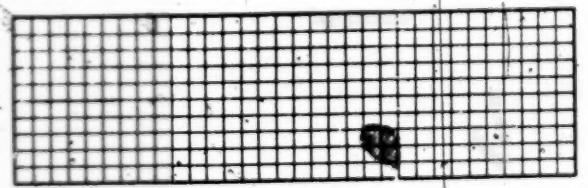


EXCHANGE U. G. CABLE



GENERAL STABLE AND GARAGE EQPT.





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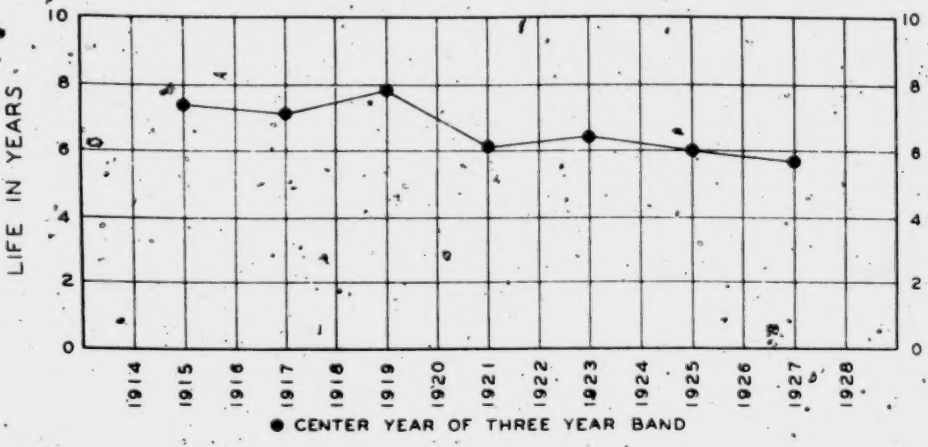
ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

NON-MULTIPLE PRIVATE BRANCH EXCHANGES

TREND OF AVERAGE LIFE AS SHOWN BY MORTALITY STUDIES



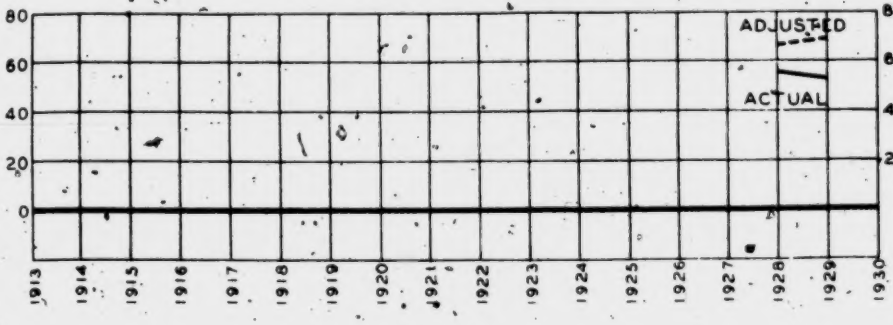
YEARS INCLUDED IN BAND ANALYSIS	AVERAGE RATIO OF PLANT DISPLACED TO BALANCE IN SERVICE JAN. 1		AVERAGE LIFE	
	MORTALITY STUDY	ENTIRE PLANT CLASS	MORTALITY STUDY	ENTIRE PLANT (MORTALITY STUDY ADJUSTED ON BASIS OF COMPARISON OF RATIOS COL. 2 AND 3)
(1)	(2)	(3)	(4)	(5)
1914 TO 1916			7.4	
1916 TO 1918			7.1	
1918 TO 1920			7.8	
1920 TO 1922			6.1	
1922 TO 1924	.184	.177	6.1	6.4
1924 TO 1926	.158	.175	6.8	6.0
1926 TO 1928	.158	.180	6.5	5.7

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

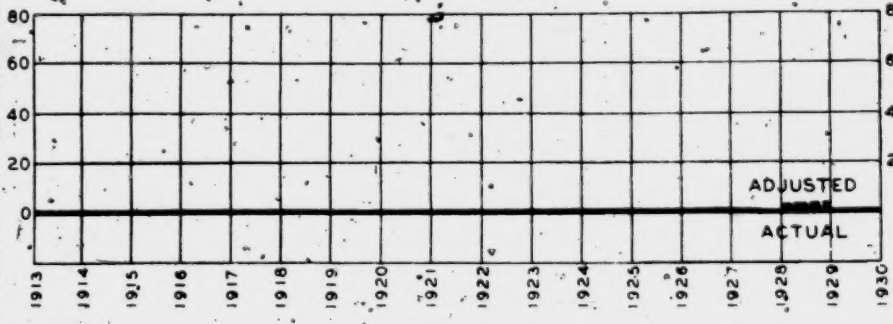
NON-MULTIPLE PRIVATE BRANCH EXCHANGES

GROSS SALVAGE



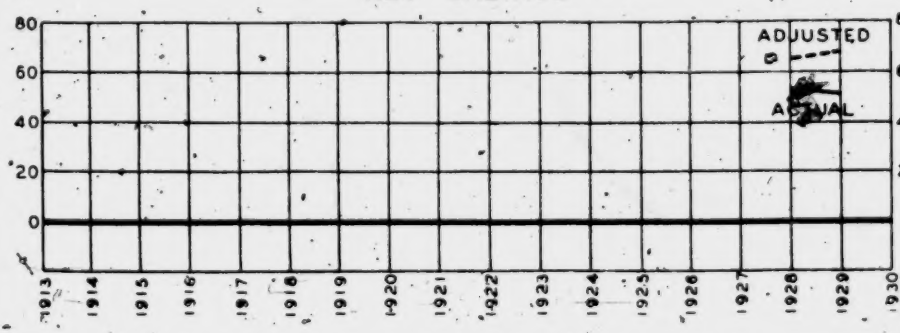
PER CENT OF ORIGINAL COST

COST OF REMOVAL



PER CENT OF ORIGINAL COST

NET SALVAGE



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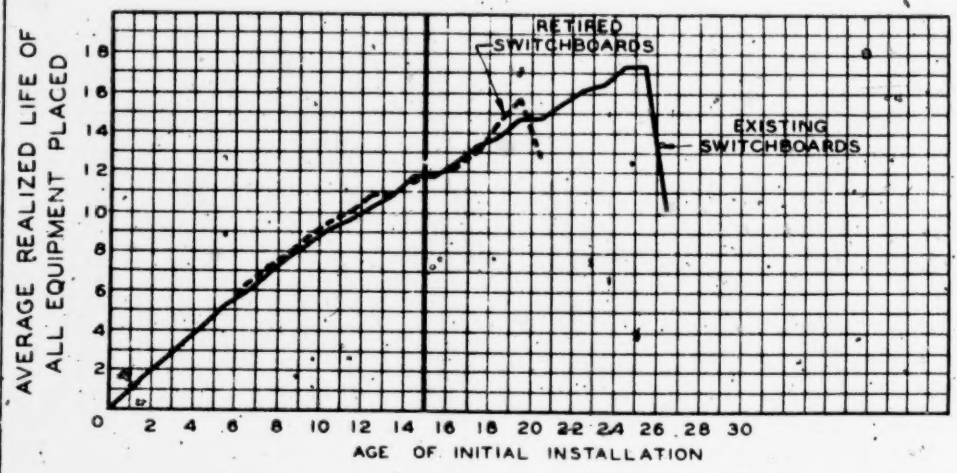
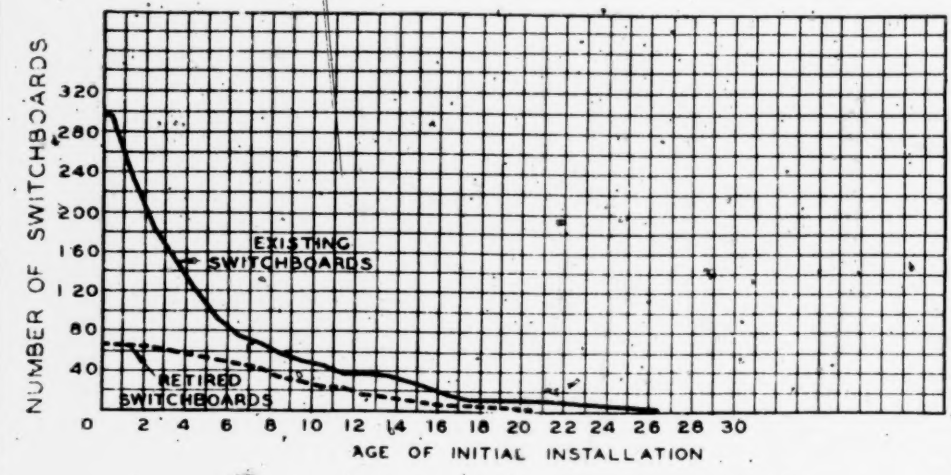
ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

AVERAGE REALIZED LIFE OF

MULTIPLE PRIVATE BRANCH EXCHANGES



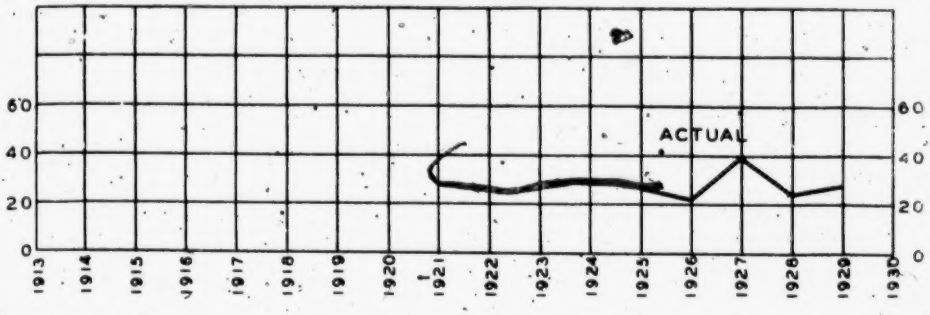


ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

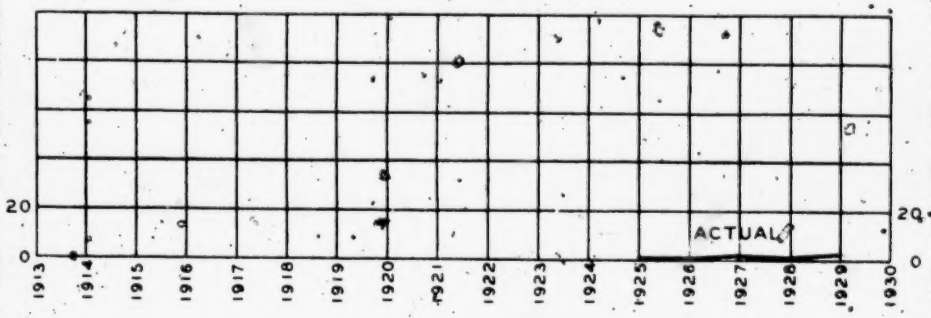
MULTIPLE PRIVATE BRANCH EXCHANGES

GROSS SALVAGE



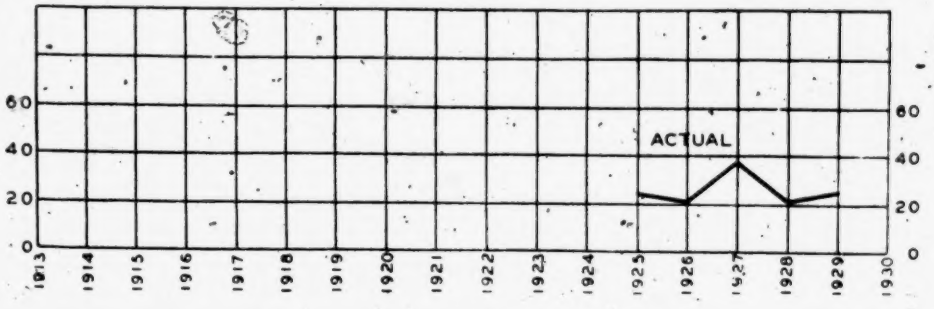
PER CENT OF ORIGINAL COST

COST OF REMOVAL



PER CENT OF ORIGINAL COST

NET SALVAGE

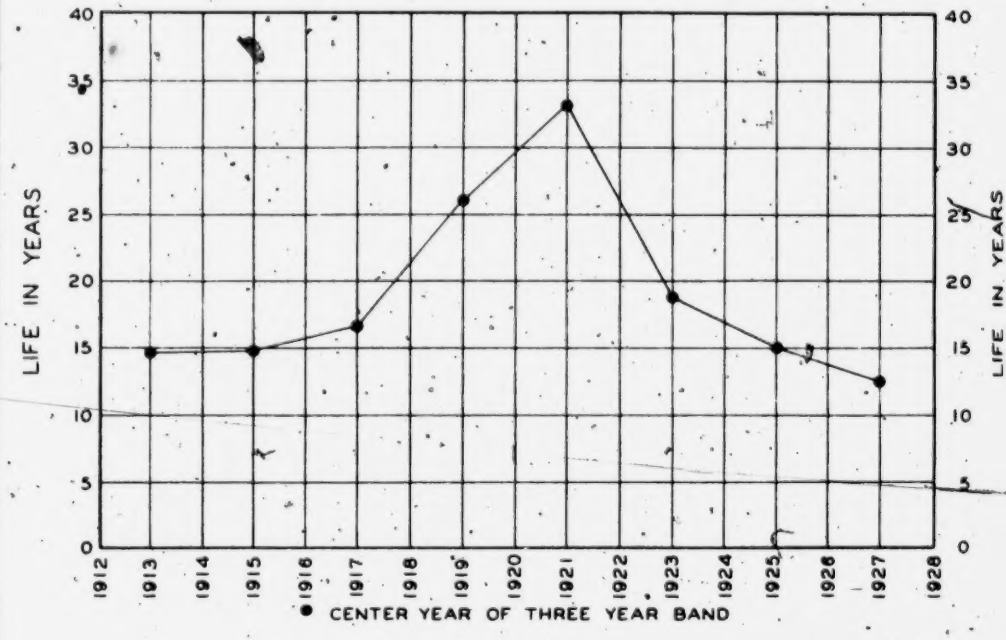


ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

EXCHANGE AERIAL CABLE

TREND OF AVERAGE LIFE AS SHOWN BY MORTALITY STUDIES



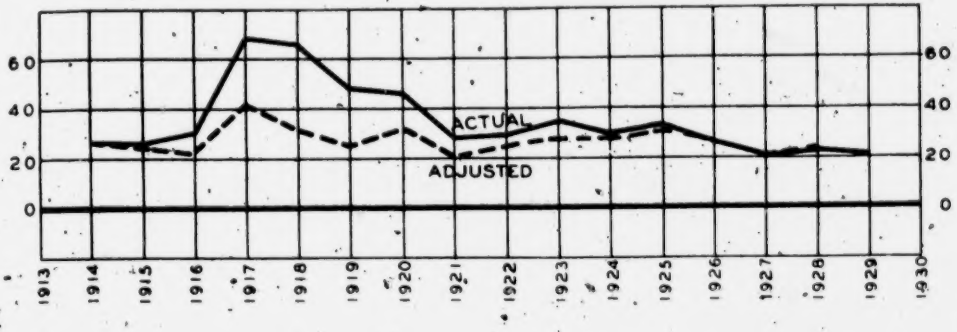
YEARS INCLUDED IN BAND ANALYSIS	AVERAGE RATIO OF PLANT DISPLACED TO BALANCE IN SERVICE JAN. 1.		AVERAGE LIFE	
	MORTALITY STUDY	ENTIRE PLANT CLASS	MORTALITY STUDY	ENTIRE PLANT (MORTALITY STUDY ADJUSTED ON BASIS OF COMPARISON OF RATIOS, COL 2 AND 3)
(1)	(2)	(3)	(4)	(5)
1912 TO 1914			14.6	
1914 TO 1916			14.7	
1916 TO 1918			16.8	
1917 TO 1921			26.0	
1919 TO 1923			33.3	
1922 TO 1924	.027	.040	23.8	18.7
1924 TO 1926	.048	.057	16.7	15.1
1926 TO 1928	.049	.066	15.1	12.5

ILLINOIS BELL TELEPHONE COMPANY

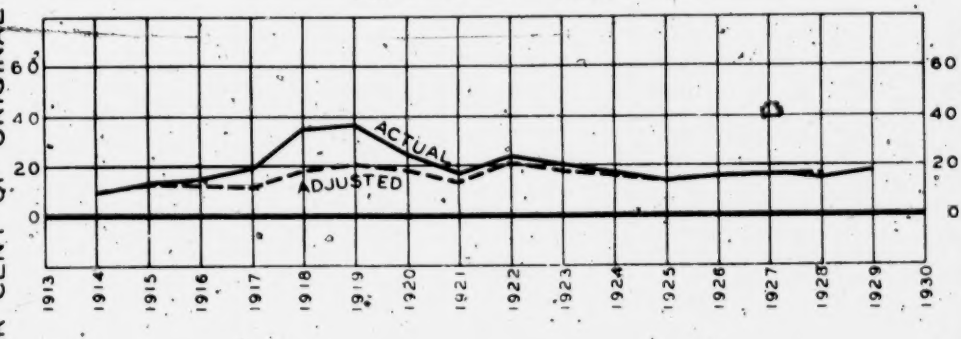
CHICAGO AREA

EXCHANGE AERIAL CABLE

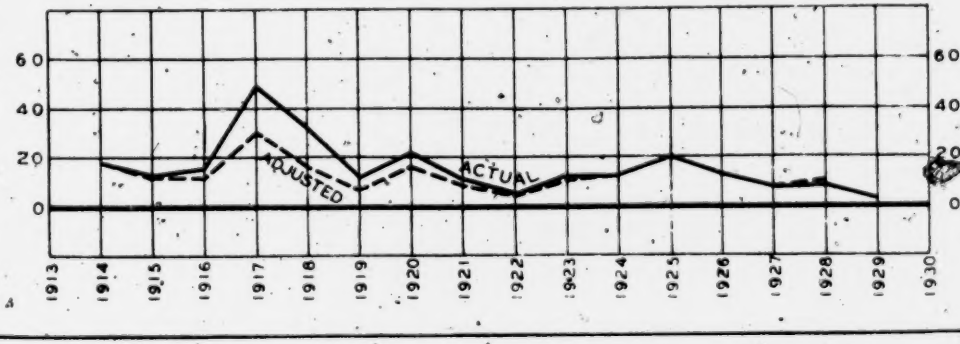
GROSS SALVAGE



COST OF REMOVAL



NET SALVAGE



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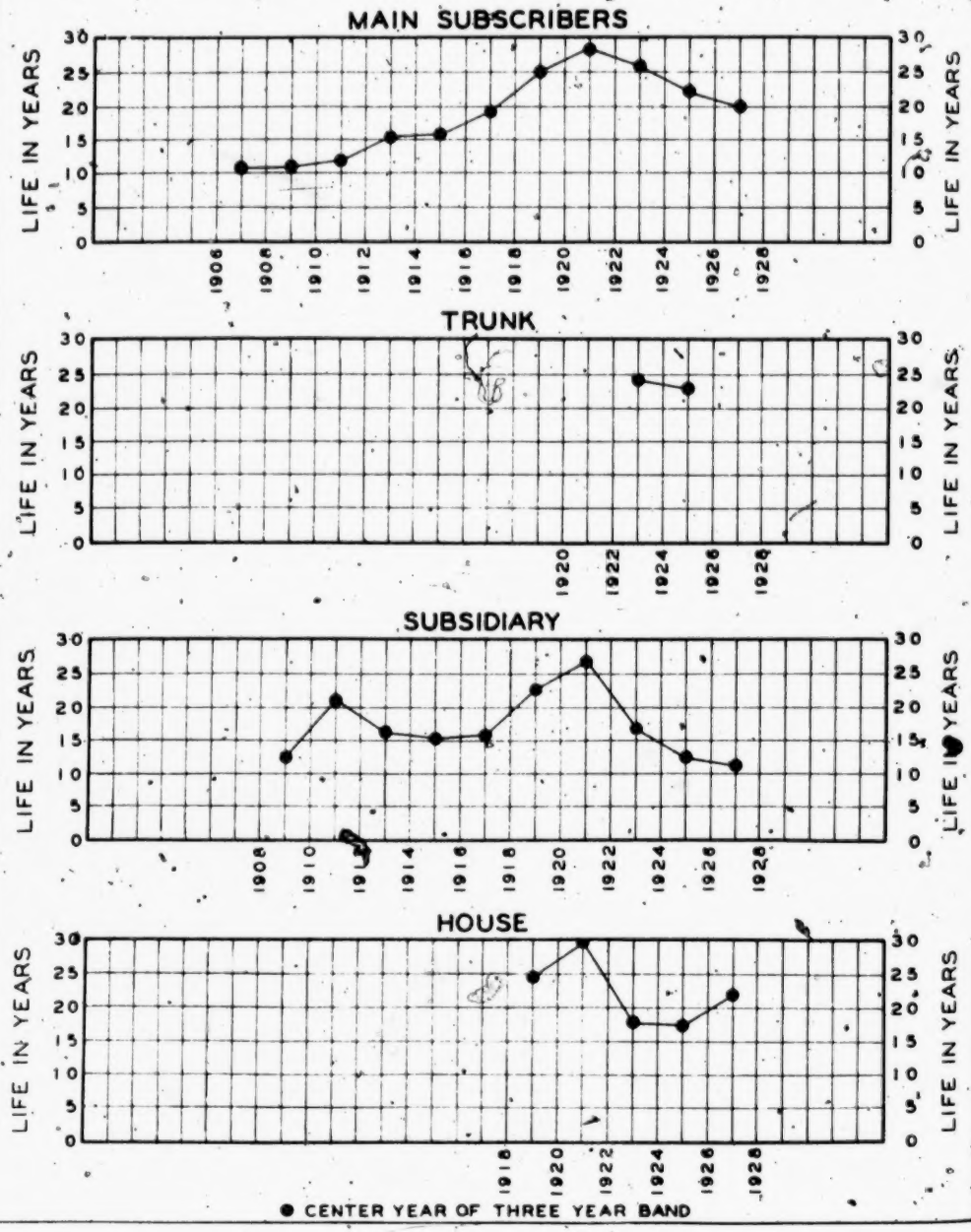
ILLINOIS BELL TELEPHONE COMPANY
CHICAGO AREA
EXCHANGE U. G. CABLE

TREND OF AVERAGE LIFE AS SHOWN BY MORTALITY STUDIES



ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

EXCHANGE U. G. CABLE

COMPARISON OF AVERAGE LIFE SHOWN BY MORTALITY STUDIES TO LIFE OF ENTIRE PROPERTY

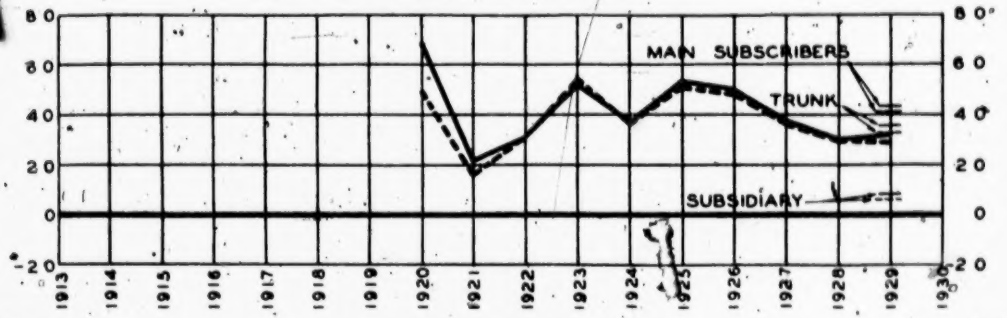
YEARS INCLUDED IN BAND ANALYSIS	AVERAGE RATIO OF PLANT DISPLACED TO BALANCE IN SERVICE JAN. 1.		AVERAGE LIFE	
	MORTALITY STUDY	ENTIRE PLANT CLASS	MORTALITY STUDY	ENTIRE PLANT (MORTALITY STUDY ADJUSTED ON BASIS OF COMPARISON OF RATIOS COL 2 AND 3)
(1)	(2)	(3)	(4)	(5)
MAIN SUBSCRIBERS				
1906 TO 1908			10.4	
1908 TO 1910			10.8	
1910 TO 1912			12.2	
1912 TO 1914			15.3	
1914 TO 1916			15.7	
1916 TO 1918			19.2	
1917 TO 1921			24.9	
1920 TO 1922			28.4	
1922 TO 1924	.015	.017	27.6	25.7
1924 TO 1926	.020	.030	28.3	22.1
1926 TO 1928	.027	.035	23.7	20.1
TRUNK				
1921 TO 1925	.012	.014	25.3	24.3
1924 TO 1926	.013	.021	25.1	22.7
SUBSIDIARY				
1908 TO 1910			12.3	
1910 TO 1912			21.2	
1912 TO 1914			16.1	
1914 TO 1916			15.2	
1916 TO 1918			15.8	
1917 TO 1921			22.7	
1920 TO 1922			26.6	
1922 TO 1924	.033	.045	19.3	16.4
1924 TO 1926	.052	.078	15.6	12.3
1926 TO 1928	.046	.092	16.6	11.0
HOUSE				
1918 TO 1920			24.5	
1919 TO 1923			29.6	
1922 TO 1924	.015	.032	23.3	17.7
1924 TO 1926	.019	.031	21.1	17.3
1926 TO 1928	.015	.023	27.1	22.1

ILLINOIS BELL TELEPHONE COMPANY

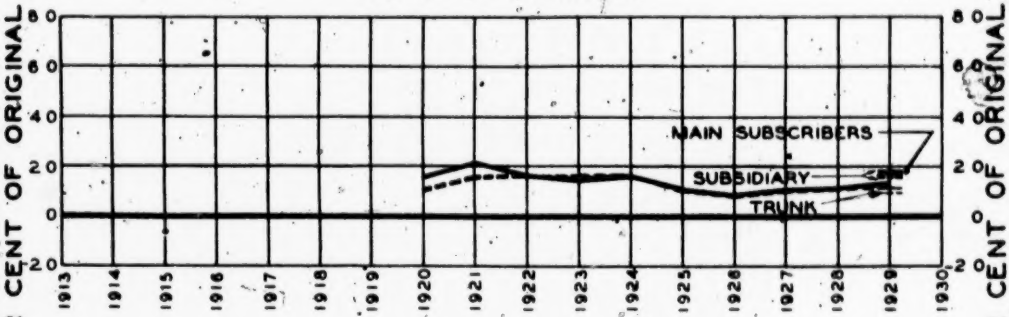
CHICAGO AREA

EXCHANGE UNDERGROUND CABLE - EXCLUDING HOUSE CABLE

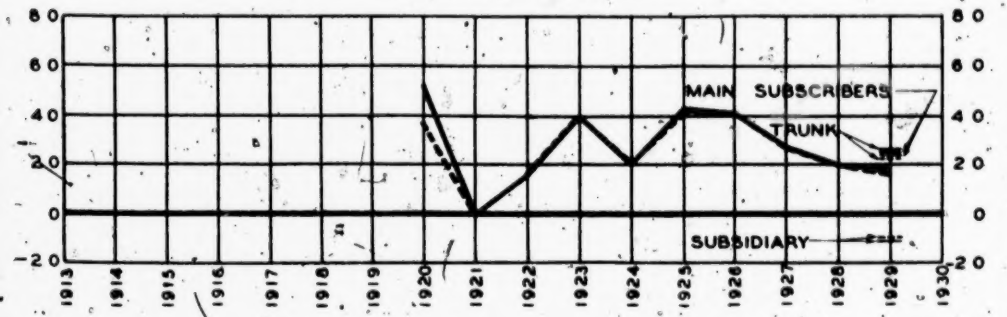
GROSS SALVAGE



COST OF REMOVAL



NET SALVAGE

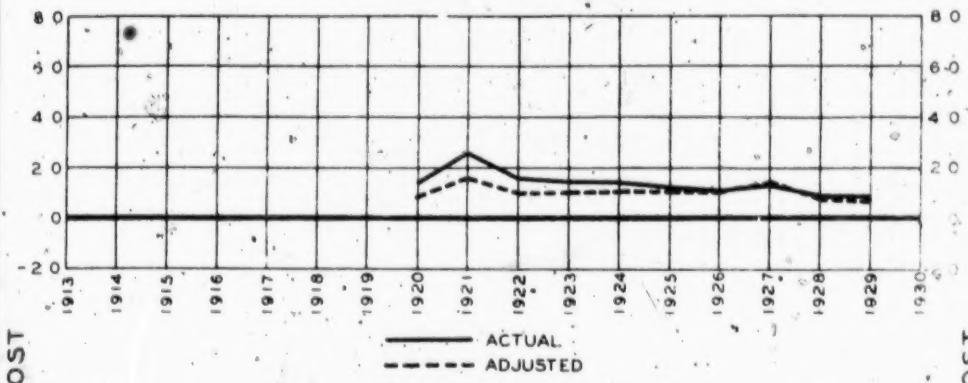


ILLINOIS BELL TELEPHONE COMPANY

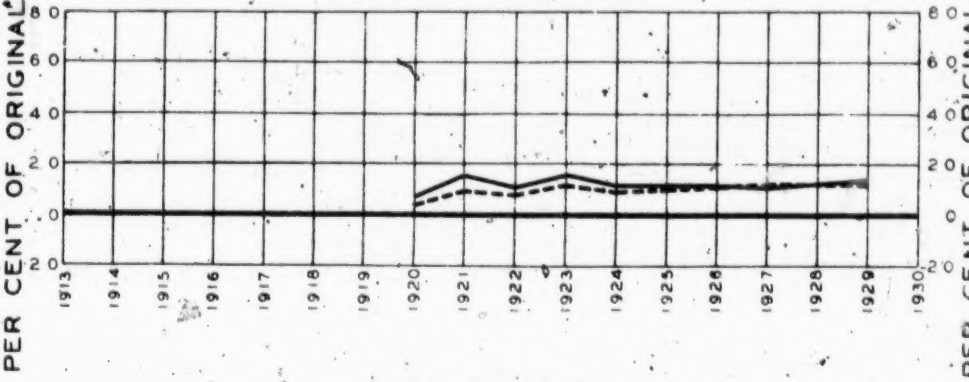
CHICAGO AREA

EXCHANGE UNDERGROUND CABLE - HOUSE CABLE

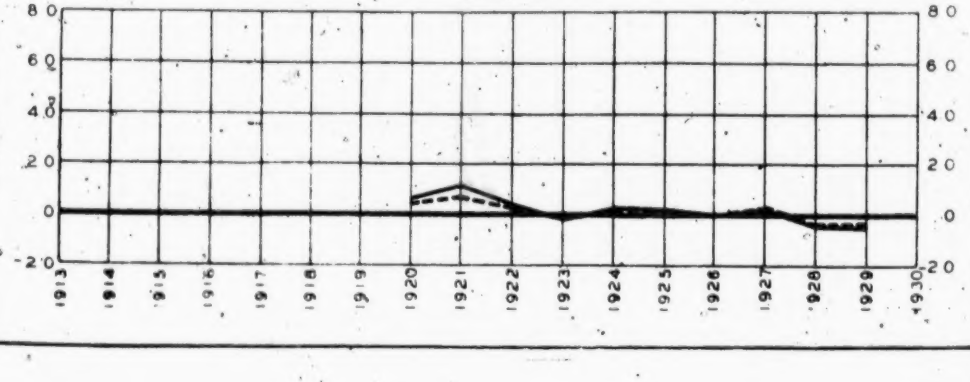
GROSS SALVAGE



COST OF REMOVAL



NET SALVAGE



[fol. 3108] Annual Depreciation Rates Effective January 1, 1930, and Relative Investment Proportions for Property Included in Group III

Property	Per Cent of Total Depreciable Property Investment Dec. 31, 1929	Basic Rates			Composite Rates
		Life	Salvage	Rate	
Station Apparatus:					
Sub-Stations	10.26	4.5	70	6.7	6.8
Telephone Typewriters	.27	3	65	11.7	
	10.53				
Other Equipment of C.O.	1.05	9	35	7.2	7.2
Booths and Spec. Fittings	.46	10	60	4.0	4.0
Toll Aerial Wire:					
Copper	.04	15	25	5.0	5.0
Load Coils	—†	20	0	5.0	
	.04				
Office Furniture and Fixtures	1.01	12	20	6.7	6.7
General Store Equipment	.04	12	10	7.5	7.5
General Tools and Implements:					
Special Tools	.04	6	5	15.8	15.8
Other Tools	.20	15	70	20.0	20.0
	.24				
Total	13.37				

†Negligible (Less than .005)

(Here follow charts, side folios 3109-3114)

EXAMPLE TO ILLUSTRATE PRINCIPLE OF TURNOVER METHOD

NON-GROWING PLANT. DATA IN TERMS OF QUANTITIES OF PLANT UNITS. AVERAGE LIFE OF UNITS 5 YEARS.

DISTRIBUTION BY AGES OF PLANT IN SERVICE AND PLANT RETIRED

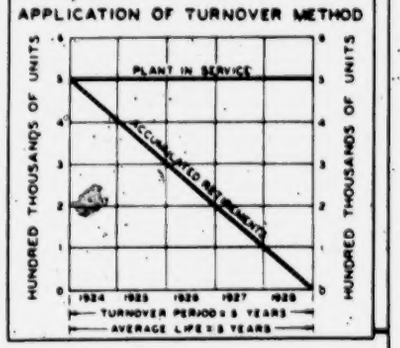
UPPER FIGURES: PLANT REMAINING IN SERVICE AT BEGINING OF Nth CALENDAR YEAR AFTER YEAR OF PLACING
LOWER FIGURES: PLANT RETIRED DURING Nth CALENDAR YEAR AFTER YEAR OF PLACING

YEAR OF PLACING	(A) TOTAL AMOUNT OF PLANT PLACED	(B) TOTAL AMOUNT OF PLANT RETIRED	(C) TOTAL AMOUNT OF PLANT STILL IN SERVICE (A)-(B)	N= 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1904	100,000	100,000		XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29	8	3	Total Per 1904
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1905	100,000	100,000		XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29	8	3	Total Per 1905
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1906	100,000	100,000		XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29	8	3	Total Per 1906
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1907	100,000	100,000		XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29	8	3	Total Per 1907
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1908	100,000	100,000		XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29	8	3	Total Per 1908
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1909	100,000	99,998	2	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29	8		Total Per 1909
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1910	100,000	99,992	8	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29	8		Total Per 1910
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1911	100,000	99,977	23	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1911
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1912	100,000	99,941	59	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1912
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1913	100,000	99,861	139	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1913
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1914	100,000	99,688	312	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1914
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1915	100,000	99,559	441	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1915
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1916	100,000	98,676	1,324	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1916
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1917	100,000	97,486	2,514	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1917
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1918	100,000	95,474	4,526	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1918
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1919	100,000	92,270	7,730	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1919
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1920	100,000	87,466	12,534	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1920
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1921	100,000	80,698	19,302	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1921
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1922	100,000	71,753	28,247	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1922
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1923	100,000	60,699	39,301	XXXXX	97,596	89,682	78,550	65,489	52,011	39,301	28,349	19,302	12,584	7,730	4,526	2,514	1,384	661	313	139	59	29			Total Per 1923
				2,404	7,914	11,132	13,081	13,489	13,710	11,094	8,948	6,788	6,804	5,804	3,804	2,012	1,190	648	348	179	80	38	13	4	2 Retired
1924	100,000	47,989	52,011	XXXXX	97,596	89,682	78,550	65,489																	Total Per 1924
				2,404	7,914	11,132	13,081	13,489																	2 Retired
1925	100,000	34,301	65,699	XXXXX	97,596	89,682	78,550	65,489																	Total Per 1925
				2,404	7,914	11,132	13,081	13,489																	2 Retired
1926	100,000	21,480	78,520	XXXXX	97,596	89,682	78,550	65,489																	Total Per 1926
				2,404	7,914	11,132	13,081	13,489																	2 Retired
1927	100,000	10,318	89,682	XXXXX	97,596	89,682	78,550																		Total Per 1927
				2,404	7,914	11,132	13,081																		2 Retired
1928	100,000	2,404	97,596	XXXXX																					Total Per 1928
				2,404																					2 Retired
TOTAL	2,300,000	2,000,000	300,000	XXXXX																					

SUMMARIZATION OF DATA BY YEARS

YEAR	PLANT PLACED DURING YEAR (1)	PLANT RETIRED DURING YEAR (2)	PLANT RETIRED ACCUMULATED FROM 1929 (3)	PLANT IN SERVICE AT BEGINNING OF YEAR (4)
1924	100,000	100,000	880,630	800,000
1925	100,000	100,000	880,000	800,000
1926	100,000	100,000	880,000	800,000
1927	100,000	100,000	880,000	800,000
1928	100,000	100,000	880,000	800,000
1929				800,000

APPLICATION OF TURNOVER METHOD



EXAMPLE TO ILLUSTRATE PRINCIPLE OF TURNOVER METHOD

PLANT GROWING AT RATE OF 10% ANNUALLY. DATA IN TERMS OF QUANTITIES OF PLANT UNITS. AVERAGE LIFE OF UNITS 5 YEARS

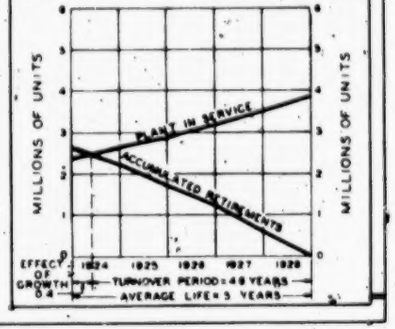
DISTRIBUTION BY AGES OF PLANT IN SERVICE AND PLANT RETIRED

YEAR OF PLACING	(A) TOTAL AMOUNT OF PLANT PLACED	(B) TOTAL AMOUNT OF PLANT RETIRED	(C) TOTAL AMOUNT OF PLANT STILL IN SERVICE (A) - (B)	UPPER FIGURES: PLANT REMAINING IN SERVICE AT BEGINING OF Nth CALENDAR YEAR AFTER YEAR OF PLACING LOWER FIGURES: PLANT RETIRED DURING Nth CALENDAR YEAR AFTER YEAR OF PLACING																				
				N= 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1924	100,000	100,000	0	XXXX	97,000	89,000	78,000	68,000	58,011	39,301	29,307	19,908	12,004	7,730	4,886	2,814	1,304	661	312	139	59	25	9	2
				3,004	7,916	11,108	13,081	13,488	13,710	11,084	8,868	6,788	4,804	3,304	2,016	1,180	688	369	173	80	36	15	6	2	
1925	110,000	110,000	0	XXXX	107,000	99,000	88,000	78,049	67,812	48,881	31,078	21,888	13,787	8,808	4,979	2,768	1,484	727	343	159	68	28	9	2
				3,666	8,798	12,207	14,284	14,827	14,981	12,189	9,860	7,668	5,284	3,524	2,214	1,328	788	384	170	88	39	17	7	2
1926	121,000	121,000	0	XXXX	118,691	108,818	98,681	79,886	68,988	47,804	34,179	23,988	15,166	9,688	5,476	3,043	1,632	800	378	188	75	33	10	2
				3,888	9,878	13,494	15,787	16,381	15,278	13,278	10,884	8,188	5,813	3,877	2,434	1,460	802	438	210	94	43	19	8	2
1927	133,100	133,100	0	XXXX	130,900	119,807	104,887	87,178	69,887	52,210	37,897	25,691	16,682	10,888	6,024	3,348	1,796	880	415	185	78	30	11	3
				3,900	10,888	14,864	17,288	17,888	16,917	14,718	11,906	9,008	6,384	4,266	2,678	1,604	882	482	230	102	48	19	8	3
1928	146,410	146,410	0	XXXX	148,000	131,908	114,978	96,097	78,160	57,841	41,988	28,260	18,341	11,817	6,627	3,681	1,988	968	457	204	86	34	13	3
				3,900	11,887	16,207	18,877	19,768	18,008	16,188	13,094	9,909	7,084	4,690	2,946	1,768	970	511	253	116	56	22	9	3
1929	161,051	161,048	3	XXXX	159,170	144,484	126,675	106,697	88,764	65,896	48,486	31,086	20,186	13,469	7,289	4,049	2,186	1,065	503	224	95	38	15	
				3,873	13,768	17,841	20,886	21,788	20,669	17,909	14,404	10,900	7,787	5,159	3,240	1,947	1,067	562	278	128	57	23	10	
1930	177,156	177,142	14	XXXX	175,087	158,977	139,121	116,988	98,141	69,694	50,041	34,193	22,205	13,694	8,018	4,454	2,366	1,171	553	246	105	41		
				4,289	14,998	19,736	22,884	23,894	22,317	19,688	15,846	11,990	8,511	5,679	3,564	2,143	1,173	618	307	141	64	27		
1931	194,872	194,827	46	XXXX	192,587	174,785	153,033	128,687	107,955	76,637	55,045	37,612	24,426	15,064	8,820	4,899	2,602	1,288	608	271	115			
				4,689	16,498	21,710	25,174	26,284	24,550	21,648	17,431	13,189	9,361	6,246	3,918	2,357	1,290	680	337	156	70			
1932	214,359	214,288	186	XXXX	211,846	192,263	168,336	141,556	118,750	84,300	60,550	41,374	26,868	16,570	9,702	5,389	2,862	1,417	669	298				
				5,158	18,148	23,881	27,691	28,912	27,005	23,813	19,174	14,508	10,298	6,868	4,310	2,593	1,421	748	371	171				
1933	235,795	235,667	301	XXXX	233,128	211,488	185,170	155,712	130,625	92,730	66,605	45,512	29,555	18,227	10,673	5,928	3,148	1,559	736					
				5,675	19,963	26,269	30,461	31,803	29,705	26,194	21,092	15,959	11,328	7,555	4,784	2,852	1,563	822	408					
1934	259,375	259,046	329	XXXX	256,440	232,613	203,687	171,283	143,688	101,907	73,266	50,063	32,510	20,050	11,739	6,521	3,463	1,714						
				6,242	21,957	28,896	33,507	34,984	32,676	28,811	23,201	17,555	12,460	8,311	5,262	3,137	1,720	908						
1935	285,313	283,927	1,386	XXXX	279,684	255,874	224,056	188,376	158,056	112,131	80,592	55,071	35,760	22,055	12,913	7,173	3,809							
				6,867	24,152	31,785	36,857	38,482	35,944	31,692	25,521	19,310	13,706	9,142	5,790	3,452								
1936	313,844	309,689	4,155	XXXX	307,652	281,462	246,462	207,213	173,862	123,344	88,652	60,578	39,337	24,260	14,204	7,890								
				7,553	26,567	34,963	40,537	42,330	39,538	34,861	28,074	21,241	15,077	10,056	6,369									
1937	345,228	338,349	6,879	XXXX	338,417	309,607	271,108	228,121	191,247	135,678	97,517	66,636	43,271	26,686	15,624									
				8,309	27,208	38,499	44,587	46,564	43,492	38,347	30,881	23,365	16,585	11,061										
1938	379,751	368,843	10,908	XXXX	372,259	340,568	298,218	250,933	210,372	149,246	107,269	73,300	47,598	29,352										
				9,140	30,004	42,349	49,046	51,221	47,841	42,182	33,969	25,702	18,243	12,167										
1939	417,726	398,496	20,230	XXXX	409,485	374,625	328,040	275,826	231,409	164,170	117,996	80,630	52,358											
				10,048	33,009	46,583	53,951	56,344	52,675	46,400	37,366	28,271	20,068											
1940	459,699	431,908	27,804	XXXX	450,433	411,888	360,845	303,408	254,550	180,588	129,795	88,693												
				11,044	36,308	51,246	59,346	61,977	57,943	51,040	41,103	31,098												
1941	505,669	467,887	37,862	XXXX	495,476	453,077	396,929	333,749	280,005	198,647	142,774													
				12,151	39,939	56,370	65,280	68,175	63,738	56,144	45,213													
1942	556,236	507,994	48,242	XXXX	544,923	498,387	436,622	367,124	308,006	218,511														
				13,366	43,933	62,007	71,808	74,992	70,112	61,758														
1943	611,859	571,851	40,008	XXXX	599,415	548,426	480,284	403,837	338,806															
				14,703	48,326	68,208	78,987	82,491	77,124															
1944	673,734	622,047	51,709	XXXX	659,357	603,268	528,313	444,220																
				16,173	53,158	75,028	86,886	90,741																
1945	741,087	686,317	54,770	XXXX	725,293	663,595	581,145																	
				17,790	58,474	82,531	95,574																	
1946	814,995	754,773	60,222	XXXX	798,822	730,038																		
				19,569	64,321	90,784																		
1947	896,495	826,921	69,574	XXXX	878,507																			
				21,546	70,753																			
1948	986,270	904,879	81,391	XXXX																				
				23,672																				
TOTAL	9,886,758	9,079,488	2,806,309	XXXX																				

SUMMARIZATION OF DATA BY YEARS

YEAR	PLANT PLACED DURING YEAR (1)	PLANT RETIRED DURING YEAR (2)	PLANT RETIRED ACCUMULATED FROM 1924 (3)	PLANT IN SERVICE AT BEGINNING OF YEAR (4)
1924	873,758	438,308	8,443,377	8,396,686
1925	760,087	478,634	8,818,069	8,833,908
1926	814,080	886,898	1,738,438	8,897,321
1927	896,438	879,758	1,811,137	9,187,033
1928	986,978	834,604	834,604	9,805,758
1929				9,886,758

APPLICATION OF TURNOVER METHOD



DETERMINATION OF AVERAGE SERVICE LIFE EXPERIENCE BY TURNOVER METHOD

STATION APPARATUS

CHICAGO AREA

FIG. 1

ADJUSTED BASIC DATA

YEAR	STATIONS IN SERVICE AT BEGINNING OF YEAR 1	STATIONS RETIRED	
		DURING YEAR 2	ACCUMULATED FROM 1929 3
1925	774,222	138,857	961,654
1926	829,185	155,783	822,797
1927	893,095	181,593	667,014
1928	934,039	245,211	485,421
1929	980,255	240,210	240,210
1930	1,027,023		

FIG. 2

APPLICATION OF TURNOVER METHOD

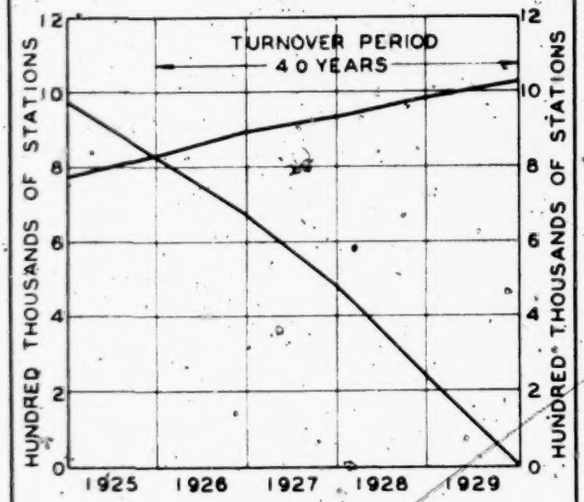


FIG. 3

-AVERAGE RATE OF GROWTH-

RATIO, PLANT AT END TO PLANT AT BEGINNING OF TURNOVER PERIOD (FROM UNIFORM GROWTH TREND LINE) = 1.2

1925-1929

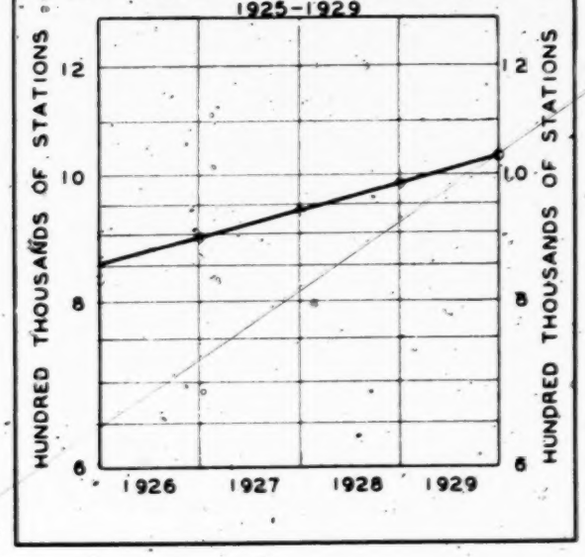
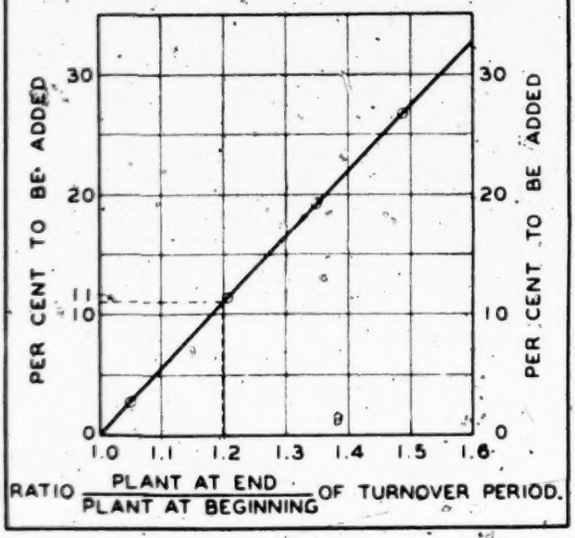


FIG. 4

-GROWTH ADJUSTMENT-

PER CENT OF TURNOVER PERIOD TO BE ADDED TO COMPENSATE FOR EFFECT OF GROWTH



ADJUSTED TURNOVER PERIOD (4.0 YEARS + 11%) = 4.4 YEARS

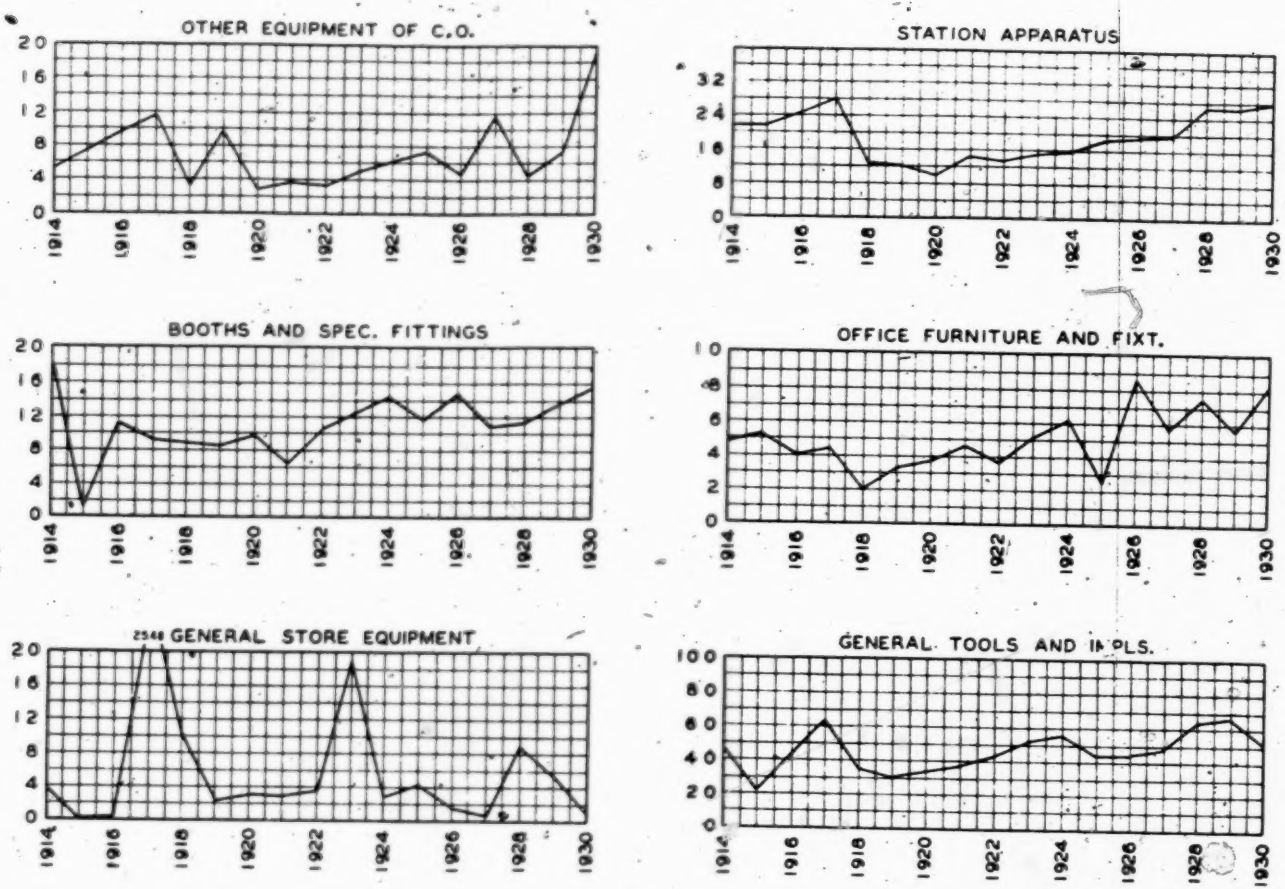
3111

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

RATE OF RETIREMENT

PER CENT OF PLANT IN SERVICE



3112 31

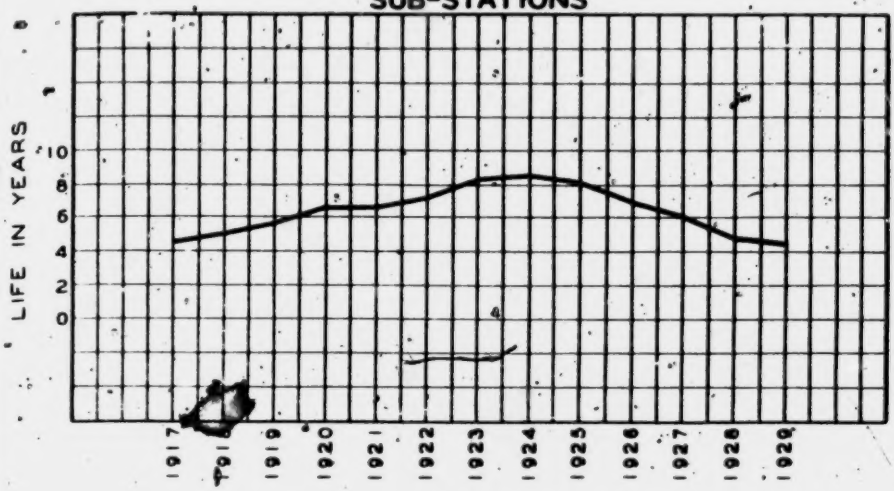
ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

STATION APPARATUS

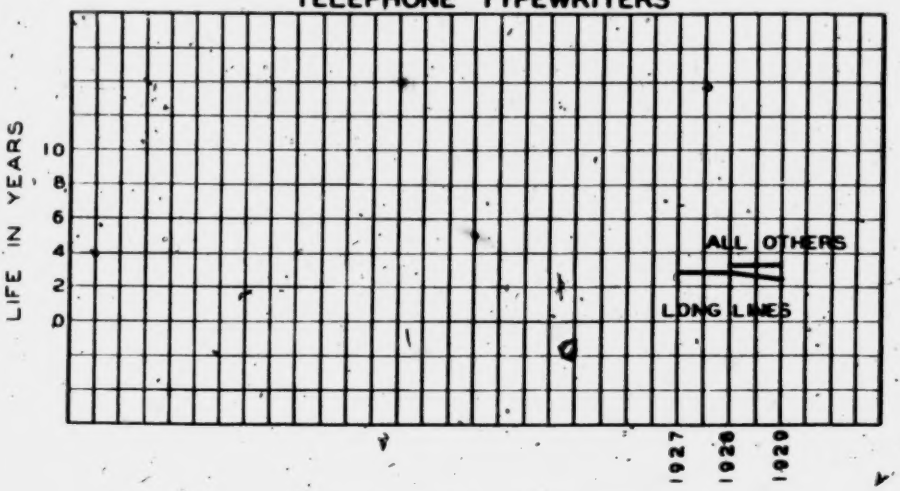
TREND OF AVERAGE LIFE AS SHOWN BY TURNOVER CYCLE STUDIES

SUB-STATIONS



TURNOVER PERIOD ENDING DEC. 31.

TELEPHONE TYPEWRITERS



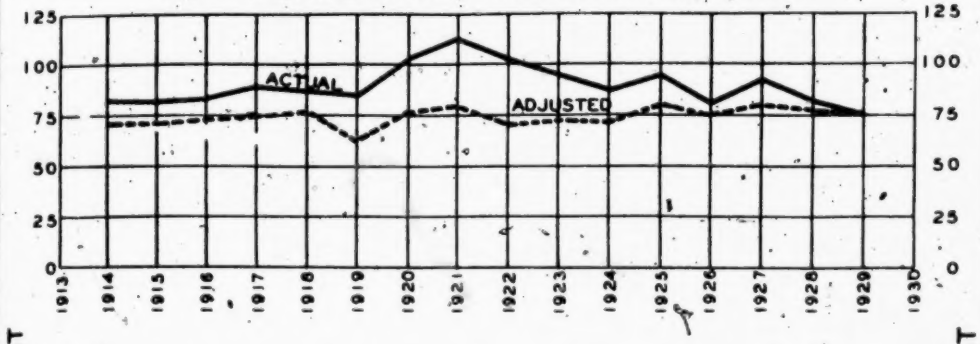
TURNOVER PERIOD ENDING DEC. 31.

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

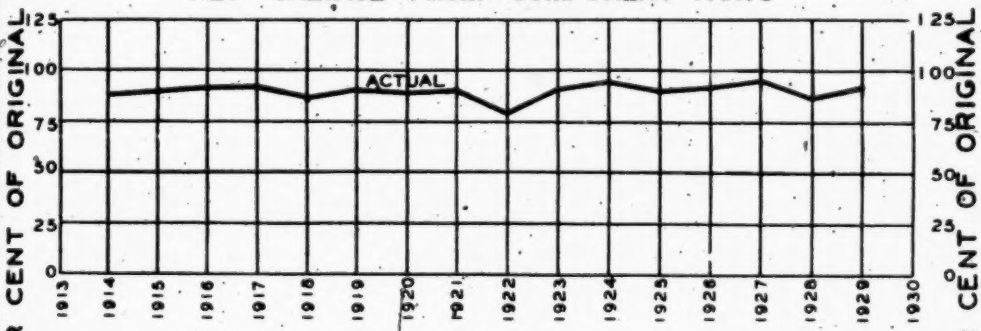
STATION APPARATUS - SUBSTATIONS

NET SALVAGE FROM COMPLETE STATIONS



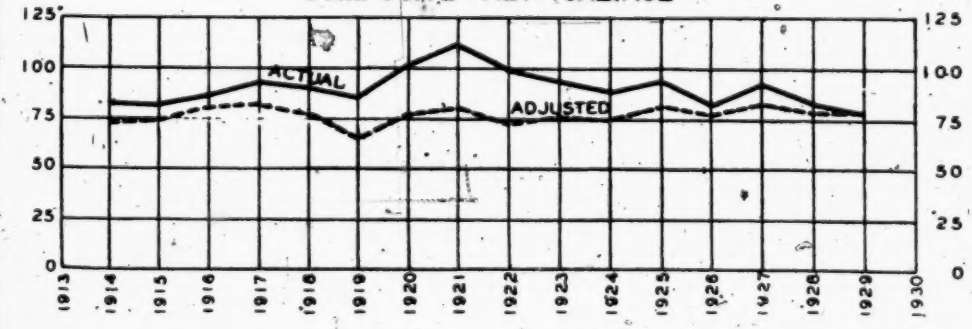
PER CENT OF ORIGINAL COST

NET SALVAGE FROM COMPONENT PARTS



PER CENT OF ORIGINAL COST

COMPOSITE NET SALVAGE



[fol. 3115] Annual Depreciation Rates Effective January 1, 1930, and Relative Investment Proportions for Property Included in Group IV

Property	Per Cent of Total Depreciable Property Investment Dec. 31, 1929	Basic Rates			Composite Rates
		Life	Salvage	Rate	
Exchange U. G. Conduit					
Main	7.42	50	0	2.0	2.3
Subsidiary	2.42	30	0	3.3	
	9.84				
Exchange Right-of-Way	.22	35	0	2.9	2.9
Toll Right-of-Way	—	50	0	2.0	2.0
Toll Aerial Cable					
Cable	.01	20	20	4.0	4.1
Load Coils	—	20	0	5.0	
	.01				
Toll U. G. Conduit	.27	50	0	2.0	2.0
Toll U. G. Cable					
Cable	1.92	30	25	2.5	3.1
Load Coils	.55	20	0	5.0	
	2.47				
Exchange Submarine Cable	.01	20	0	5.0	5.0
Toll Submarine Cable	—	20	0	5.0	5.0
Total	12.82				

*Negligible (Less than .005).

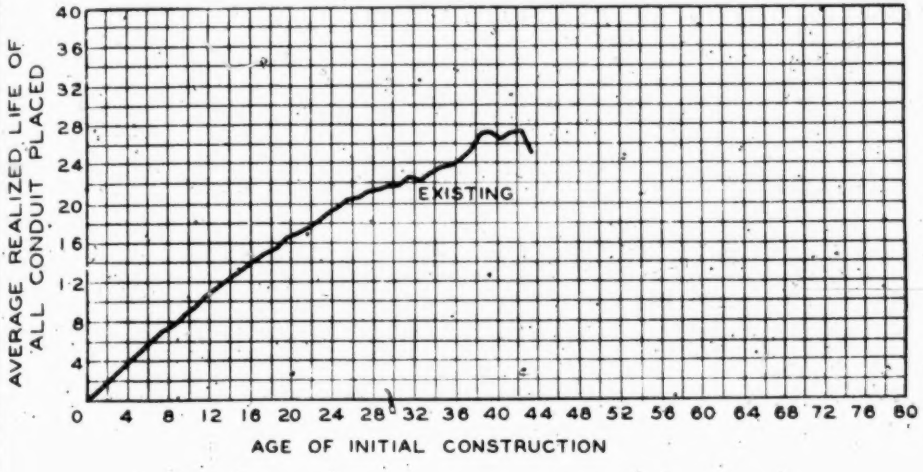
(Here follow charts, side folios 3116 and 3117)

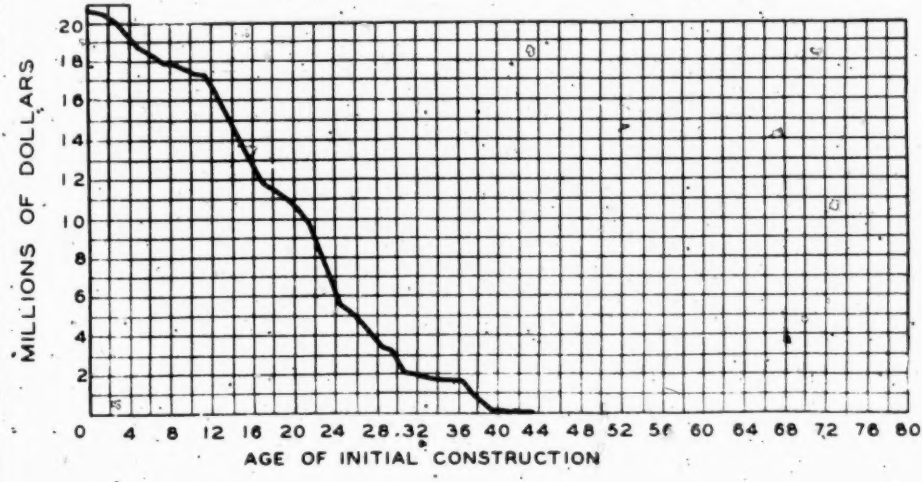
ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

AVERAGE REALIZED LIFE OF MAIN U.G. CONDUIT

(AT COMMON COST LEVEL)



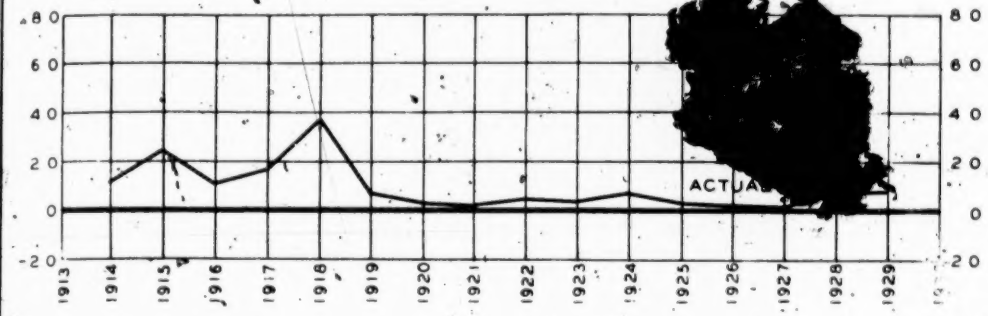


ILLINOIS BELL TELEPHONE COMPANY

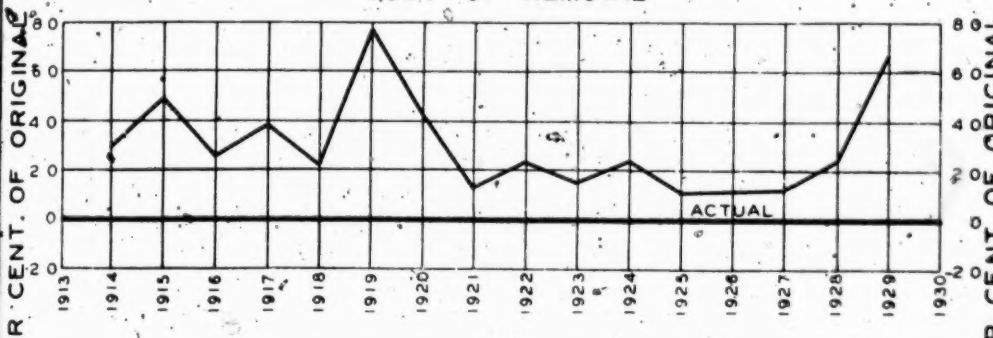
CHICAGO AREA

EXCHANGE U. G. CONDUIT

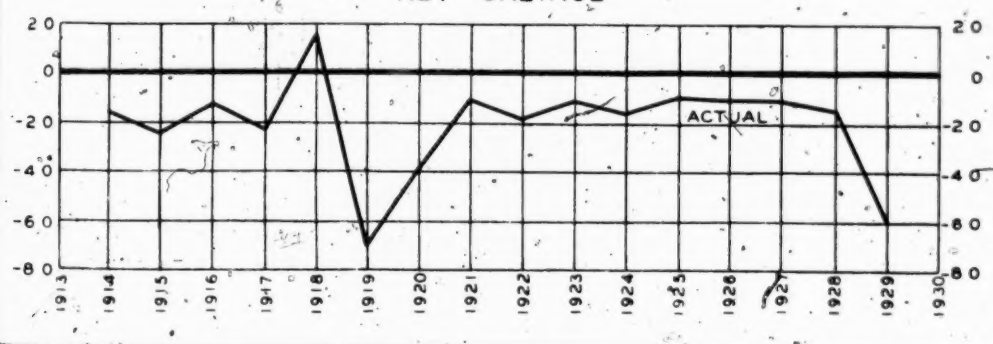
GROSS SALVAGE



COST OF REMOVAL



NET SALVAGE



[fol. 3118] Illinois Bell Telephone Company, Chicago Area

January 1, 1930—Depreciation Study—Life and Salvage

Volume 1

The various tables, charts, etc. which have been assembled in this pamphlet show the methods employed in studying the average life and net salvage of the property of the Illinois Bell Telephone Company located in the Chicago Area. The 23 different classes of depreciable property have greatly varying physical and functional characteristics and also greatly varying lengths of average lives. For this reason, it is not possible to apply any one general method of depreciation study to all classes of property in blanket fashion, but discrimination must be employed. It has been found that the classes of property fall into four general groups for study purposes.

Page 1 of this pamphlet shows the 23 accounts containing property requiring depreciation accounting. The descriptive titles of these accounts have been arranged in the first column in accordance with their customary sequence in accounting reports. In the second column they are arranged in four groups according to the methods followed in analyzing the life experience of the property. The first of the two columns of figures shows the relative part of the total investment in depreciable property (as of Dec. 31, 1929) that is represented by the property in each account expressed as a percentage of the total and the last column shows the relative part of the total annual depreciation expense that relates to the property in each account.

Of the various causes for the retirement of telephone property, inadequacy is probably the greatest. Other causes [fol. 3119] are deterioration, obsolescence, public requirements, storms, etc. Inadequacy is brought about by growth in stations and lines and in the use of the property. Page 2 has been prepared to give some idea of what the growth has been in stations, lines and investment. The chart at the left of the page shows the actual growth in these three items while the chart at the right shows the same information expressed as a percentage of the amounts of these items in 1914. The right hand chart gives a better idea of the rate of growth experienced in the Chicago Area during recent years. The more rapid increase in lines than that

shown for stations is due in part to regrading from four-party lines to two and single party lines, etc. and to the increasing number of trunks serving private branch exchanges.

Group 1

Central Office Equipment:

The property contained in Group 1 consists of a complex grouping of many items of telephone plant which, unlike certain other classes of telephone property, are largely retired on a group basis. Using Central Office Equipment as an example, a certain proportion of the ultimate installation is placed initially and additions are made from time to time until finally the entire installation is retired. There are, of course, some retirements during the overall life of the office, but these in most cases have proved to be relatively small. Additions subsequent to the initial installation are brought about by growth in lines and stations and increased use of the facilities. The average life of the equipment is, therefore, a composite of the longer lives represented by the equipment installed initially and of the shorter lived equipment installed between the time of the initial installation and the final retirement of the office.

[fol. 3120] Page 5 affords a good example of the effect of additions upon the average life of the equipment. On this page is shown the actual history of the Kedzie Central Office from 1906 to 1929 with an engineering forecast of future experience to the time of retirement in 1936, when it is expected that dial equipment will replace the present manual equipment. It will be seen in this case that whereas the office as a whole is expected to be in service for a period of thirty years, the average life to be realized from the equipment is only 12.6 years.

Computations based on past experience to date and engineering forecasts such as have been described for the Kedzie Central Office have been made for all manual central offices in the Chicago Area and the estimated average lives resulting from these computations are shown on Page 6. The last line of the statement shows an expected composite life of the present offices in service to time of retirement of 11.67 years based upon the present investment in those offices.

NOTE.—Studies of salvage for central office equipment, Page 7, and for other classes of plant, are referred to later in this memorandum.

The life experience to date with toll switchboard equipment and toll line equipment has been analyzed in a manner similar to that described for manual equipment and the resulting average realized lives are shown on Page 8.

Buildings:

The computations and forecasts for manual buildings, which have been made in a manner similar to that described for central office equipment, are shown on Page 9. The upper group of buildings are those which are expected to be discontinued for telephone use in the years shown, due [fol. 3121] to the fact that these buildings are not suitable for the installation of dial equipment. The lower group of buildings are those which are expected to be continued in service by incorporating them in the new dial buildings. The dates of retirement shown for these latter buildings, therefore, include the extended period resulting from the dial building additions. As shown by the totals on Page 9, these computations indicate an average life of 18.1 years for the first group of buildings, 36.6 years for the second group and a composite average life of 21.5 years for the two groups.

Group 2

The second group of property classes, which are shown on Page 10, is composed of those whose life experience is analyzed by mortality studies. The methods used in these mortality studies are basically the same as those employed by insurance companies in the study of human mortality. For insurance company studies the data required are the numbers of persons of each age exposed to risk of dying and the numbers of such persons who survive each year of age. From these data a series of survival rates can be computed showing for each year of age, the percentage of persons exposed to risk who survive to the following year. This information is then summarized in the form of a "life table". A standard life table for human lives known as the American Experience Table is shown on Page 11. The life table appears in the form of a curve which shows for

each year of age after age 10, the per cent remaining of the original group. Correspondingly at the bottom of the page is shown the per cent of the original group of persons who die during each year of age.

[fol. 3122] In order to provide the necessary information for mortality studies of the classes of property comprising Group 2, the Illinois Bell Company has established a routine which continuously provides records of the dates of placing and retirement of the principal units of property. This information is originated in the Plant Department of the Company, is reconciled with the disbursement and recovery records of the Accounting Department and furnished the Engineering Department annually for use in the mortality studies. The units of property are then priced on a uniform pricing basis in order that they may be properly weighted together within each group or sub-class of property prior to their use in mortality studies.

Page 12 shows a summary of historical data of this kind for non-multiple private branch exchanges. The first column shows the year and the second column the amount of property placed in each year, each item of like kind and size being priced at the same price for all years, as previously mentioned. The third column shows the total amount of plant retired to date, which in this case would be to the end of 1928. The fourth column shows the total amount of plant still in service at the end of 1928. The balance of the columns, reading horizontally across the page from 0 to 30, show in the upper figure of each rectangle, the amount of property surviving at the beginning of each year of age and in the lower figure, the amount retired during each year. The numerals at the top of each column represent the elapsed number of years from the year of placing. For example, taking the sixth horizontal line for property placed in the year 1903, the 0 column would indicate the amount of property retired within the same year of placing or 1903. Column 1 shows the amount of property surviving and the amount retired during the first year after the year of placing, or 1904, and so on across the sheet up to the 25th year after 1903, or 1928. This hori-

[fol. 3123] zontal line shows that of the property placed in 1903 the first retirement ($340) was made in the second year, 1905, and that $3,326 of the original installation of $34,806 survived at the end of 1928.

Data of this sort permit of the study of life of telephone property in two ways: The life of installations of any particular year can be studied in full if the length of period covered in the study is sufficient, or if not covered in full, the major part of the life history can be studied in many cases; the second method is to study the total experience of a band of recent years comprising the mortality history within that band of years of the surviving portions of all installations made at different times in the past. This latter method is the one more generally employed for the reason that it more fully reflects recent conditions and provides a full cross-sectional view of the experience of the plant. Data for this latter type of analysis are obtained from the exposures and retirements, reading diagonally across the chart, and are usually studied in bands of three to five years in order to include a representative volume of data. A three year band of data comprising the experience of the years 1926 to 1928 is shown on Page 12 below the heavy jagged line extending diagonally upward from left to right.

On Page 13 is shown the life table computed from the data for the three year band of experience referred to above. This life table is expressed in terms of the number of units remaining in service at each year of age from an original total of 100,000 units. Summing up the units remaining at each age produces a total of 660,000 unit years of service, which divided by the 100,000 original units results in an average life of 6.6 years.

[fol. 3124], Unlike the life table just discussed, many life tables do not provide information extending to the complete retirement of the original group of property. There is, however, a method available for completing the life tables in such cases. This method involves the use of a mathematical process known as the Gompertz-Makeham formula, which is also used in many of the life insurance companies' studies. The process of smoothing and completing the life tables by use of this formula is known as the graduation of observed data.

Page 14 shows comparisons of the life tables computed from observed data and those which have been graduated to represent complete experience of non-multiple private branch exchanges for four bands of years as noted on each of the charts. The dotted line in each case shows the ob-

served or actual data while the heavy line shows the graduated data. The average life shown on each of the charts was computed from the graduated data. Life Table No. 4 shows the same observed data as the table shown on Page 13.

Page 15 shows a test of the graduation process made by graduating not only the complete data but also various portions thereof on the assumption that the remainder are not available. Each of the six tables shown is based upon different amounts of observed data taken, in this case, from a mortality study of exchange aerial cable. They range from Table "A" which is based on actual data including retirement of proximately 75% of the original group of property, to Table "F" which shows only about 45% of the original group retired. Graduating the observed data independently on the basis of these several variations in the amount available results in computed lives that differ only slightly. Although the variation in the age of the surviving portion of the original group is ten years (from 14½ to 24½ years) the variation in the resulting indicated [fol. 3125] average life is but 0.4 years or less than 3%. This is shown in the small chart at the bottom of the page which shows the indicated average lives to range from 16.3 to 16.7 years.

While the mortality studies are based on a record of all the larger units of property within each class, there are some smaller items that should be allowed for in arriving at conclusions regarding life. These items are terminals, associated with cable, crossarms associated with poles, etc. There is also some lag in the receipt of mortality reports which results in a slight understatement of retirements in the most recent years. As the capital accounts show complete retirements annually in the form of book costs, rates of retirement can be determined from this source for use in adjusting mortality study results. The rates of retirement thus secured from the accounting records are compared with those derived from the mortality studies and ratios determined which are applied to the survival rates to bring the latter into conformity with the book rates of retirement. The actual book cost rates of retirement for Group 2 are shown on Page 16.

The results of the application of mortality study methods to the principal plant classes in Group 2 are summarized herein as follows:

Page 17—Non-Multiple Private Branch Exchanges.
21—Exchange Aerial Cable.
23 & 24—Exchange Underground Cable.

NOTE.—A portion of the plant class Private Branch Exchanges is composed of multiple switchboards which may be better studied by methods similar to those described for Manual Central Office Equipment. Results of such a study for this portion of the Private Branch Exchange plant are shown on Page 19. The curve in the upper chart indicates for any age of initial installation the average realized life of equipment.

[fol. 3126] Group 3

The classes of property in Group 3 are shown on Page 27. For these classes mortality studies are not made, as the maintenance of the required data (years of placing and retirement) would be unduly burdensome. The lives of these classes of property are studied by a process known as the "turnover cycle method".

The principle of the turnover method is illustrated on Page 28. Here a simple example of a non-growing property is assumed in which the replacements maintain the plant in a static condition. An average life of 5 years is taken for illustration.

Referring to the five lower diagonal lines of rectangles, the sum of the upper figures in each shows the units of property at the beginning of each year to be 500,000 while the sum of the lower figures shows each year's retirements to be 100,000. This simply means that the plant consists of 500,000 units of which 100,000 are replaced annually.

This information has been transferred to the small table designated "Summarization of Data by Years" and represents the kind of information available in the records of the Company. By accumulating the retirements shown in Column 2 in reverse chronological order or backwards until the equal the plant in service at some earlier year, the average life may be determined. This has been done in Column 3 in which it is shown that it requires 5 years to accumulate the 500,000 units shown in Column 4, which is in accord with the known life used in the example.

For convenience, this information has been shown also in the form of curves in the small chart at the lower right

[fol. 3127] hand corner of the page entitled "Application of Turnover Method." The diagonal line shows the period required for the backward accumulation of retirements to meet the line representing the number in service to be 5 years.

While this illustration shows that in a non-growing property the turnover period and the average life are identical, in a growing plant the turnover period is less than the true average life and, therefore, certain further computations are required. This is brought about by the fact that in a growing plant the effect of units retired at less than average life more than offsets the effect of units retired at ages greater than average life. The younger plant is retired in greater proportion relative to the whole than is the case in a static plant.

On Page 29 is shown an example of a property with a 5-year average life which has a 10% annual rate of growth. It will be noted in Column "A" that instead of merely offsetting the retirements each year, the additions grow progressively larger. Otherwise the form is similar to that shown on Page 28.

Following the same procedure as that explained for Page 28, it will be noted in the lower right hand chart that the curve of accumulated retirements intercepts the curve of plant in service at a point resulting in a turnover period of but 4.6 years, whereas the average life used in this computation is 5 years.

Page 30 will serve to illustrate the method employed in compensating for the effect of growth on the result indicated by the turnover period. Figure 1 on this page shows certain actual data of recent years for station apparatus arranged in tabulated form similar to that which has been previously described. Figure 2 is also arranged as previously explained and shows a turnover period of 4.0 years for the data under consideration.

[fol. 3128] One of the steps in determining the amount to be added to the turnover period is to find the rate of growth in the property. For convenienec this is determined as the ratio of the amount of plant at the end to the amount at the beginning of the turnover period, the amounts used for this purpose being based upon the equivalent uniform annual rate of growth in order to eliminate fluctuations caused by varying conditions. This is most conveniently deter-

mined by the use of logarithmic paper as shown in Figure 3 and the result for the period under consideration indicates a ratio of 1.2.

Another factor that must be considered in compensating for the difference between the average life and that shown by the turnover period in a growing property is that of the age distribution of the retirements. Where a high rate of mortality occurs at early ages, the effect of plant placed and retired during the turnover period will be greater than where the rate of mortality is high in the later years of age. For instance, on Page 29 we note that this property has a 5-year average life and that the turnover period is 4.6 years. We are, therefore, able to determine that with the type of age distribution assumed in the example and an annual rate of growth of 10%, the life shown by the turnover period requires an adjustment of .4 of a year (9% of 4.6 years) to equal the actual average life. This compensation (percentage increase) varies with the rate of growth and type of life table and has been determined for various representative life tables and growth ratios.

Figure 4 on Page 30 shows the results of such computations for station apparatus based upon an appropriate type of life table. This figure indicates the percentage that must be added to the turnover period for various growth ratios. [fol. 3129] The curve, for example, if read at a growth ratio of 1.2 indicates a needed increase of 11% in the turnover period. As shown at the bottom of the page, this amounts to an adjustment of 0.4 year, making the correct average life for these data 4.4 years.

Page 32 shows the results of turnover studies for other periods for this class of property.

Page 31 shows the rates of retirement for all classes of property in Group 3.

Group 4

The property contained in this group is shown on Page 34 and consists of 8 accounts. As shown on Page 1, this entire group represents but 13% of the depreciable investment and only 6% of the depreciation expense.

The available life experience for most of the property in this group is too short in relation to the average life of the property to permit of life analysis. Although mortality

records have been established for the Toll Cable Accounts, this information will not be of value for some years to come, due to the relative newness of this class of property and consequent insufficient retirements to date. The life of toll cables has been considered in comparison with the experience of exchange cables.

The life of right-of-way has been considered on the basis of the number of lives of the physical property for which it is obtained that may be reasonably expected for the life of the location.

As conduit represents a major portion of this group, although a relatively small part of the total depreciation expense (4.4%) data bearing upon the life of this class of property are included.

[fol. 3130] The average life of underground conduit is affected in the same way as central office telephone equipment in that most of the conduit runs represent an initial construction supplemented by additions from time to time as growth requires. It is, therefore, apparent that the overall life of the conduit run may be substantially in excess of the average life of the ducts within the run. Manholes are also subject to the same effect due to enlargements from time to time as required.

Page 35 shows the relation of the average life of the conduit to the age of the initial conduit or overall life of the run. The upper chart shows a life curve indicating the average life at any given age of initial construction; for example, the curve shows that with an age of 40 years for the initial run, the average realized life of the conduit has been found to be about 27 years. The lower chart shows the magnitude of the available conduit experience analyzed.

Salvage

Data regarding salvage are shown for the various classes of property on pages herein as follows:

Page 7*—Manual C. O. Equipment.
9— " " Buildings.
18—Non-Multiple P. B. X.'s
20*—Multiple "
22—Exchange Aerial Cable.
25-26— " U. G. "
33—Station Apparatus.
36*—Exchange U. G. Conduit.

Actual past salvage data (gross salvage, cost of removal and net salvage) are shown as a percentage of property cost on two bases:

(a) As a percentage of original property cost.

(b) As a percentage of property cost adjusted to the cost level at which salvage was recovered except for classes in- [fol. 3131] dicated by asterisks, for which data are shown on the first mentioned basis only, and for buildings for which the expected net salvage is stated individually in terms of percentages of original cost.

(Here follow photos, side folios 3132-3149)

28841

3132

Exhibit A-129.

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

JAN. 1, 1930, DEPRECIATION STUDY

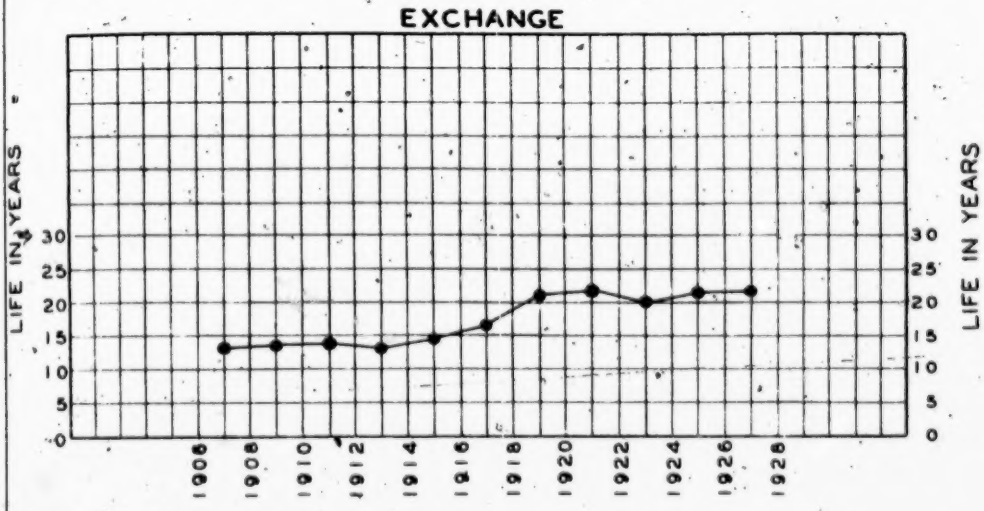
LIFE AND SALVAGE DATA

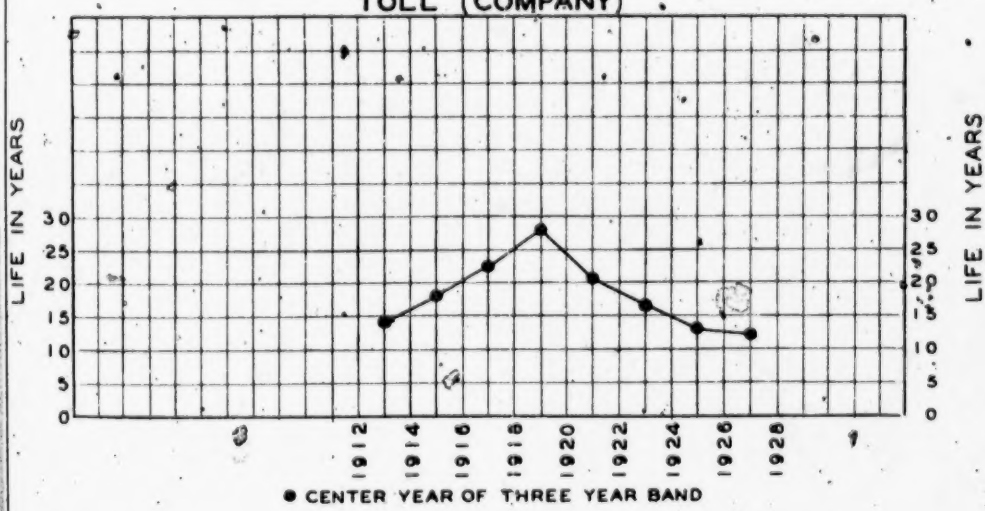
28848
3133 1A

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA
POLE LINES

TREND OF AVERAGE LIFE AS SHOWN BY MORTALITY STUDIES





● CENTER YEAR OF THREE YEAR BAND

28840
3134 28840

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

POLE LINES

COMPARISON OF AVERAGE LIFE SHOWN BY MORTALITY STUDY TO LIFE OF ENTIRE PROPERTY

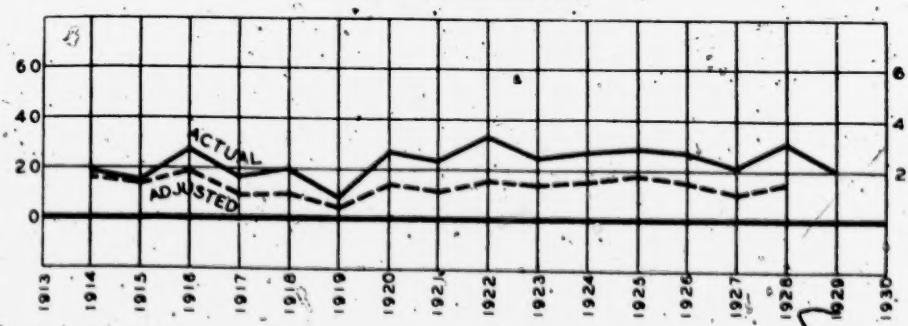
YEARS INCLUDED IN BAND ANALYSIS	AVERAGE RATIO OF PLANT DISPLACED TO BALANCE IN SERVICE JAN. 1.		AVERAGE LIFE	
	MORTALITY STUDY	ENTIRE PLANT CLASS	MORTALITY STUDY	ENTIRE PLANT (MORTALITY STUDY ADJUSTED ON BASIS OF COMPARISON OF RATIOS, COL 2 AND 3)
(1)	(2)	(3)	(4)	(5)
EXCHANGE				
1906 TO 1908			13.2	
1908 TO 1910			13.5	
1910 TO 1912			13.7	
1912 TO 1914			13.0	
1914 TO 1916			14.5	
1916 TO 1918			16.5	
1918 TO 1920			21.0	
1920 TO 1922			21.8	
1922 TO 1924	.030	.034	21.1	20.0
1924 TO 1926	.028	.034	23.4	21.4
1926 TO 1928	.026	.035	24.9	21.6
TOLL (COMPANY)				
1912 TO 1914			14.2	
1914 TO 1916			18.0	
1916 TO 1918			22.6	
1918 TO 1920			27.9	
1920 TO 1922			20.5	
1922 TO 1924	.042	.067	20.8	16.6
1924 TO 1926	.067	.086	14.9	13.0
1926 TO 1928	.049	.095	17.8	12.1

ILLINOIS BELL TELEPHONE COMPANY

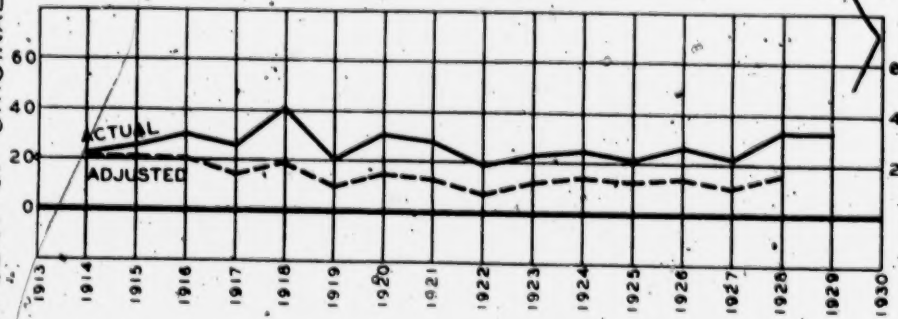
CHICAGO AREA

EXCHANGE POLE LINES

GROSS SALVAGE



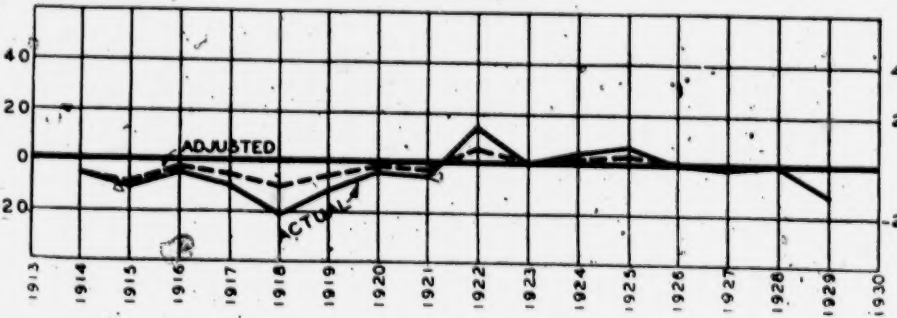
COST OF REMOVAL



PER CENT OF ORIGINAL COST

PER CENT OF ORIGINAL COST

NET SALVAGE

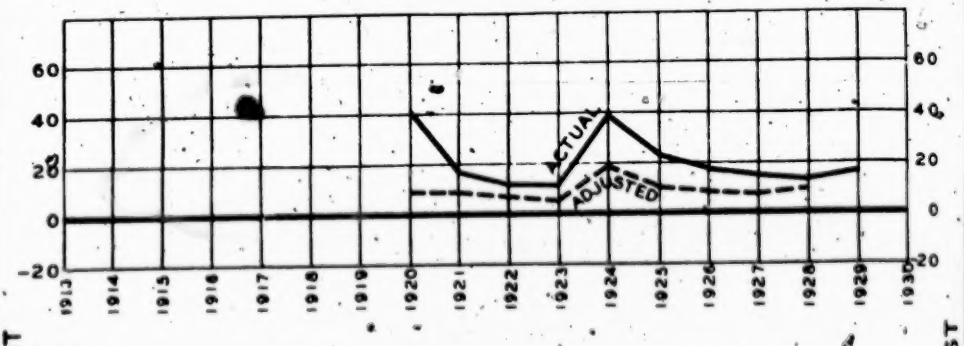


ILLINOIS BELL TELEPHONE COMPANY

SUBURBAN DIVISION

TOLL POLE LINES

GROSS SALVAGE



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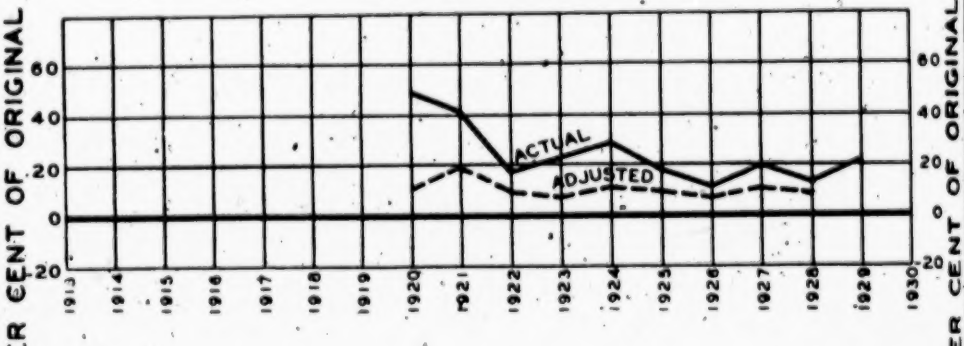
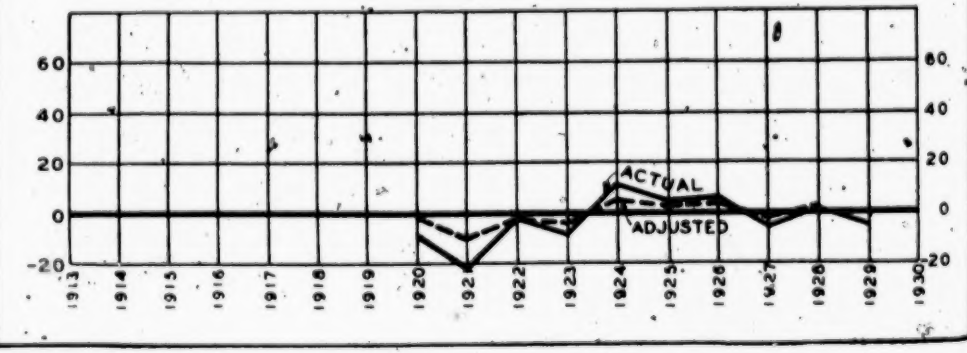


NET SALVAGE

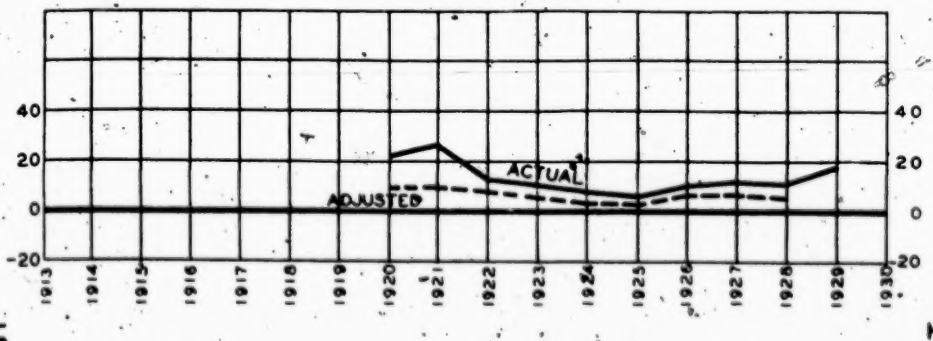


ILLINOIS BELL TELEPHONE COMPANY

ILLINOIS DIVISION

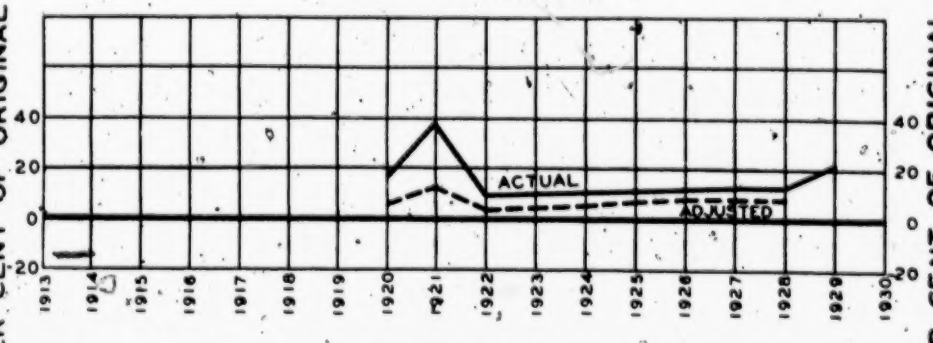
TOLL POLE LINES

GROSS SALVAGE



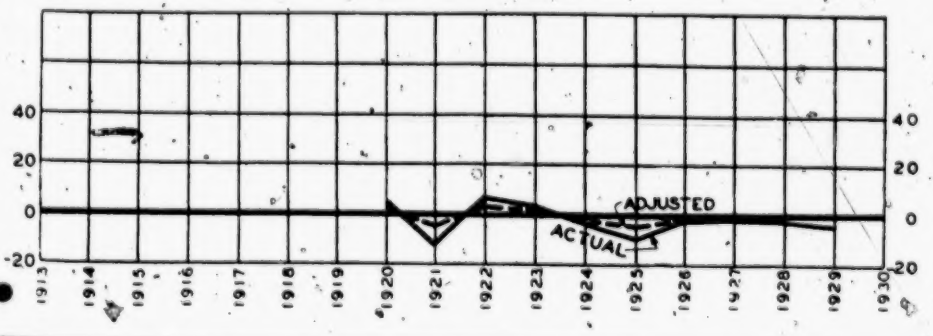
PER CENT OF ORIGINAL COST

COST OF REMOVAL



PER CENT OF ORIGINAL COST

NET SALVAGE

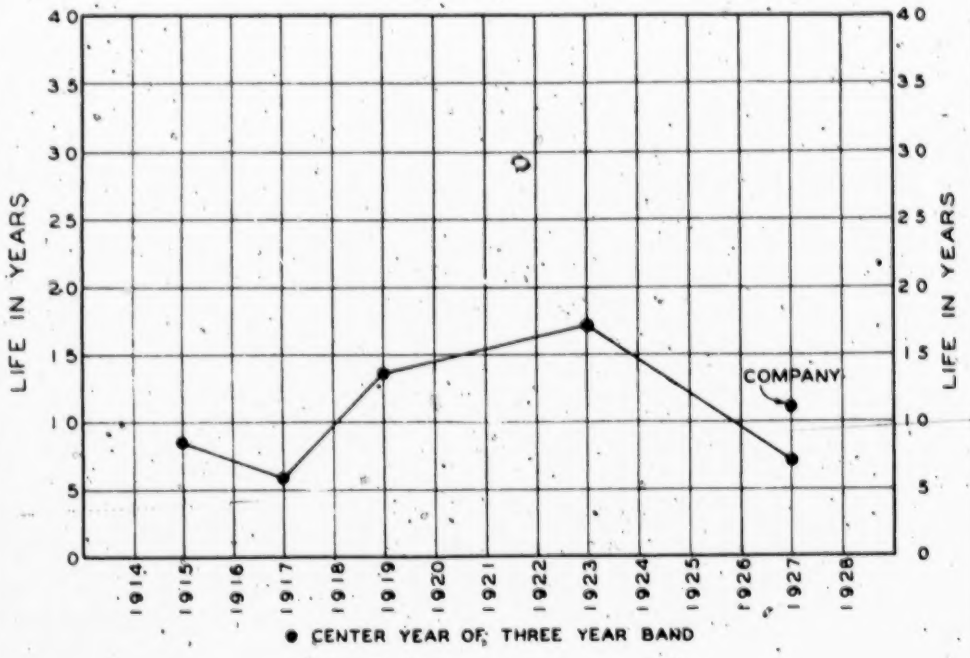


ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

LOAD COILS

TREND OF AVERAGE LIFE AS SHOWN BY MORTALITY STUDIES

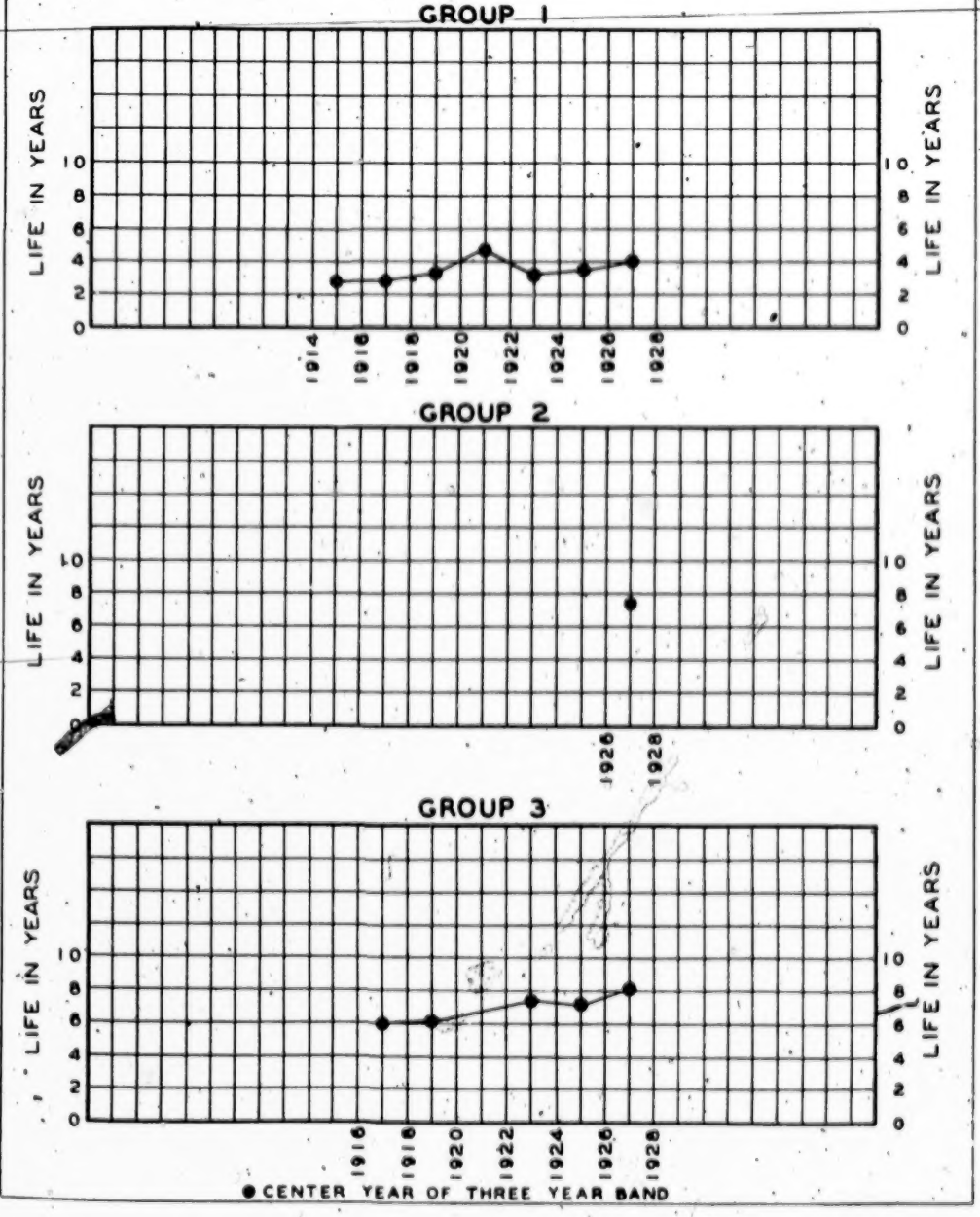


ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

MOTOR VEHICLES

TREND OF AVERAGE LIFE AS SHOWN BY MORTALITY STUDIES



ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

MOTOR VEHICLES

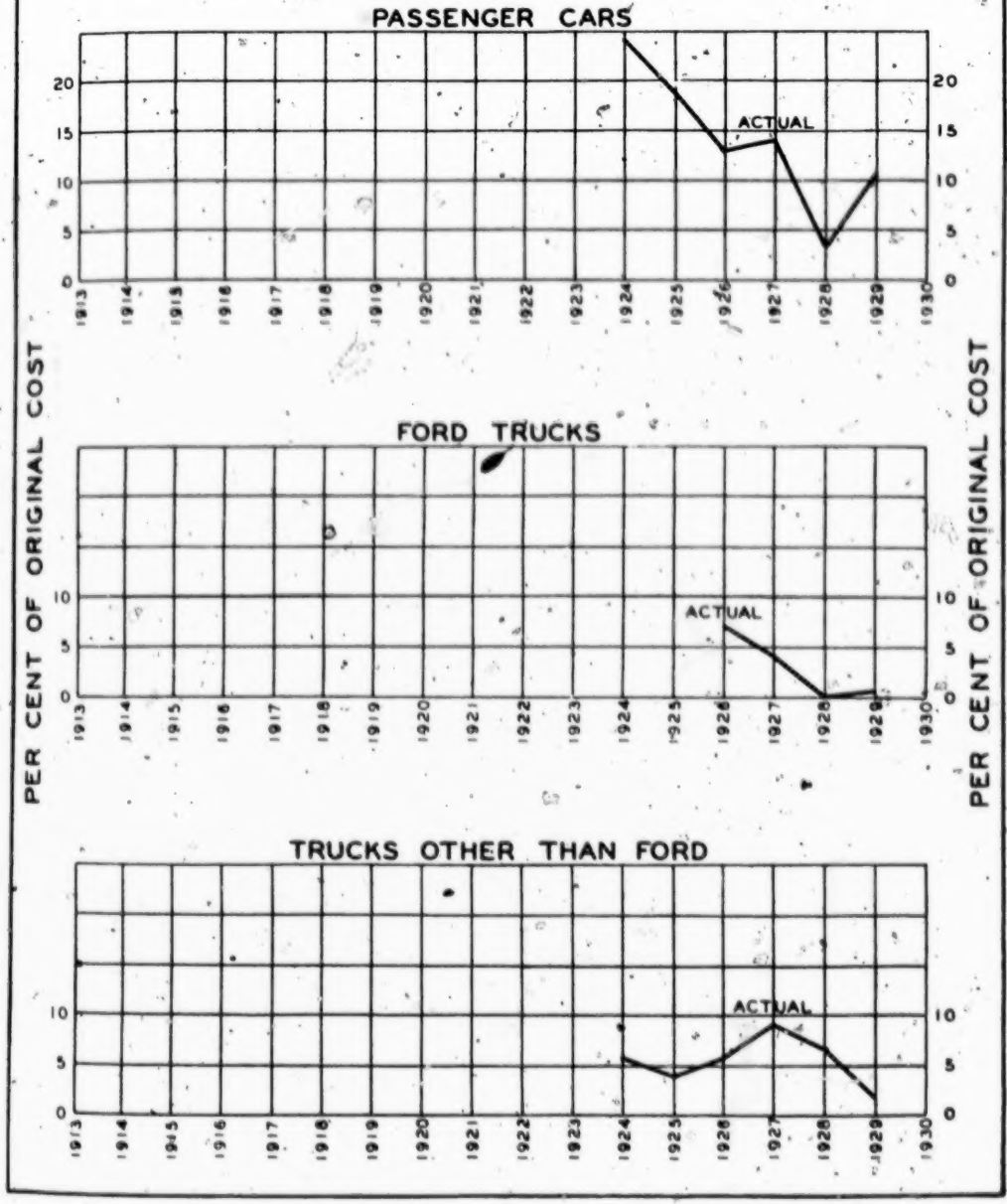
COMPARISON OF AVERAGE LIFE SHOWN BY MORTALITY STUDIES TO LIFE OF ENTIRE PROPERTY

YEARS INCLUDED IN BAND ANALYSIS	AVERAGE RATIO OF PLANT DISPLACED TO BALANCE IN SERVICE JAN. 1.		AVERAGE LIFE	
	MORTALITY STUDY	ENTIRE PLANT CLASS	MORTALITY STUDY	ENTIRE PLANT (MORTALITY STUDY ADJUSTED ON BASIS OF COMPARISON OF RATIOS, COL. 2 AND 3)
(1)	(2)	(3)	(4)	(5)
GROUP 1				
1914 TO 1916			2.8	
1916 TO 1918			2.8	
1918 TO 1920			3.3	
1920 TO 1922			4.7	
1922 TO 1924	.086	.131	3.5	3.2
1924 TO 1926	.093	.122	3.8	3.5
1926 TO 1928	.129	.147	4.2	4.0
GROUP 2				
1926 TO 1928	.129	.147	7.8	7.4
GROUP 3				
1916 TO 1918			5.9	
1917 TO 1921			6.1	
1922 TO 1924	.086	.131	8.1	7.4
1924 TO 1926	.093	.122	8.0	7.1
1926 TO 1928	.129	.147	8.4	8.1

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

SALVAGE EXPERIENCE - MOTOR VEHICLES

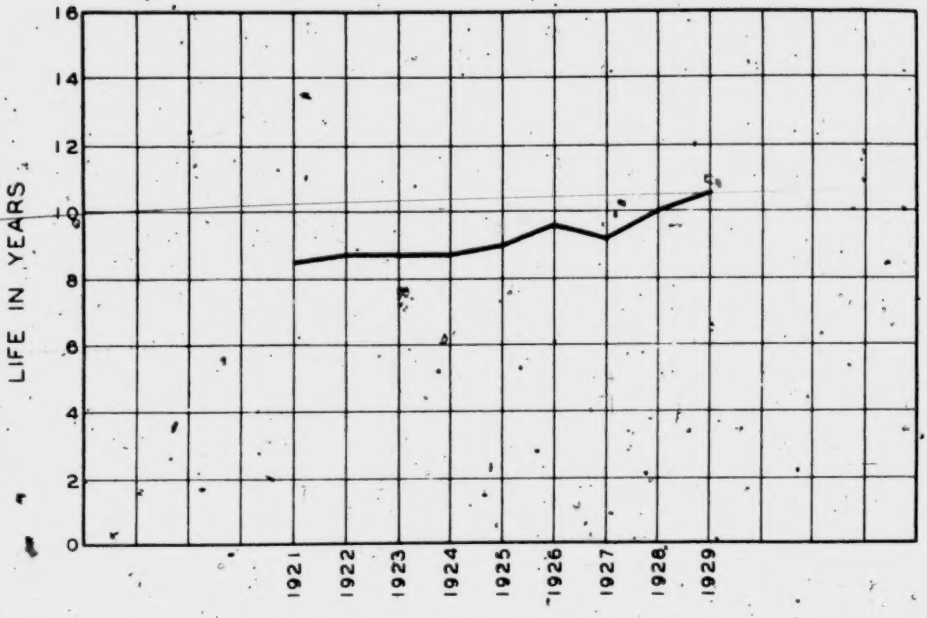


ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

TREND OF AVERAGE LIFE AS SHOWN BY TURNOVER CYCLE STUDIES

OTHER EQUIPMENT OF CENTRAL OFFICES

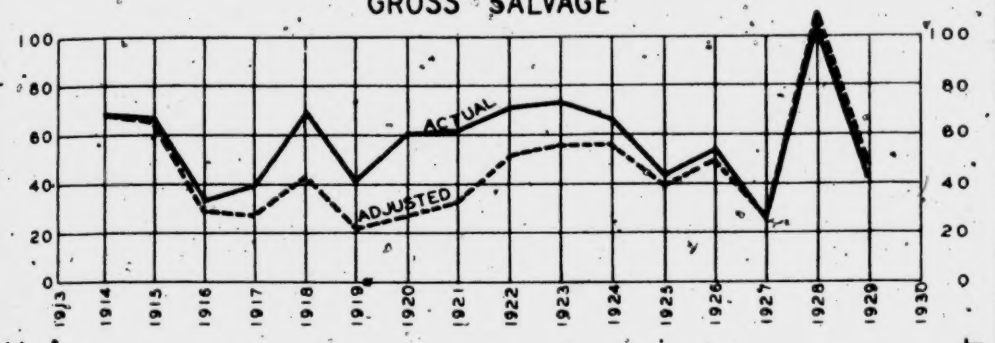


ILLINOIS BELL TELEPHONE COMPANY

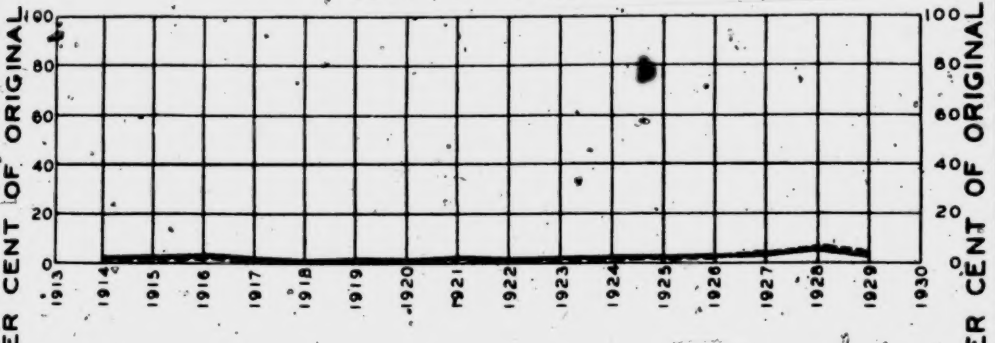
CHICAGO AREA

OTHER EQUIPMENT OF CENTRAL OFFICES

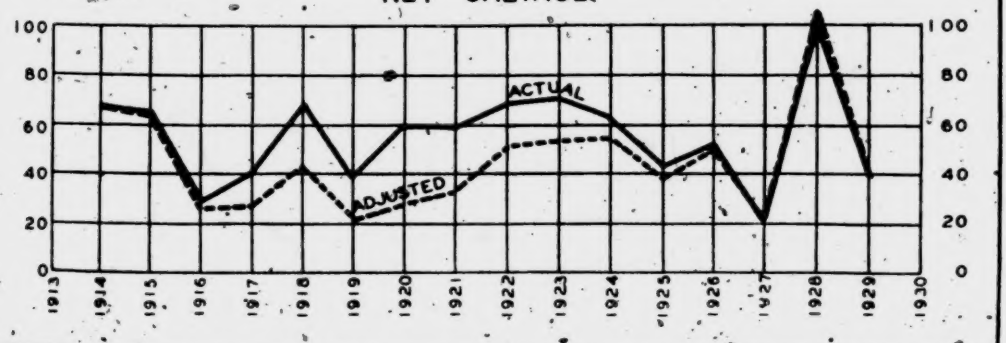
GROSS SALVAGE



COST OF REMOVAL



NET SALVAGE.



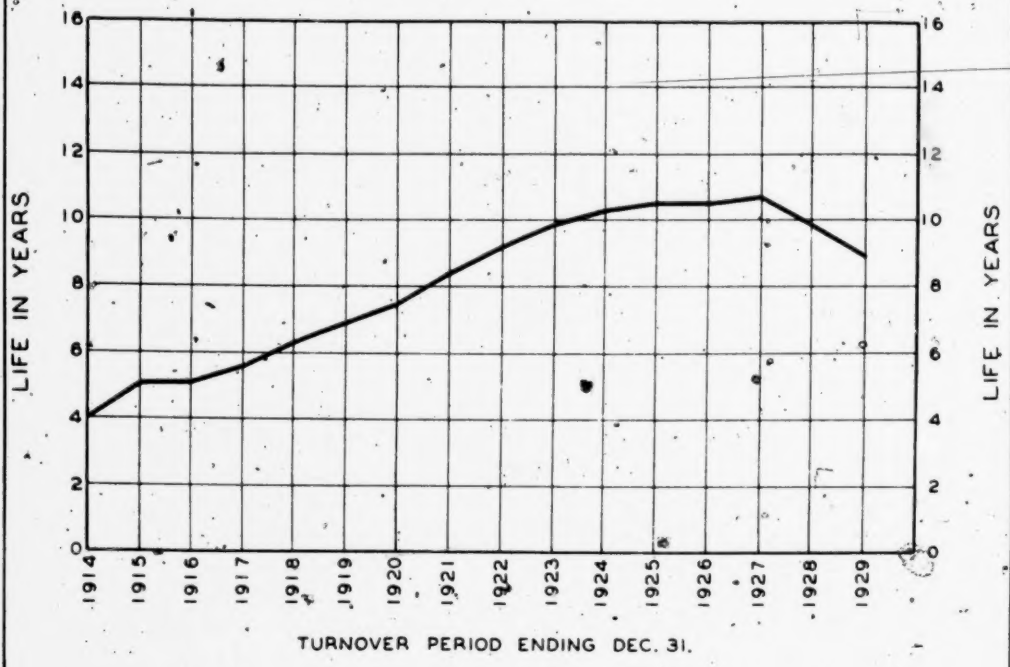
IF 1927 AND 1928 NET SALVAGE UNADJUSTED ARE CONSIDERED TOGETHER THE PERCENTAGE IS 36.3

ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

TREND OF AVERAGE LIFE AS SHOWN BY TURNOVER CYCLE STUDIES

BOOTHS AND SPECIAL FITTINGS

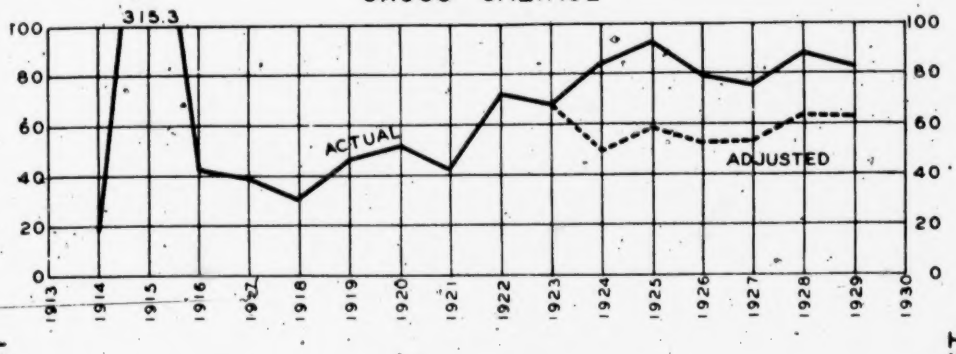


ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

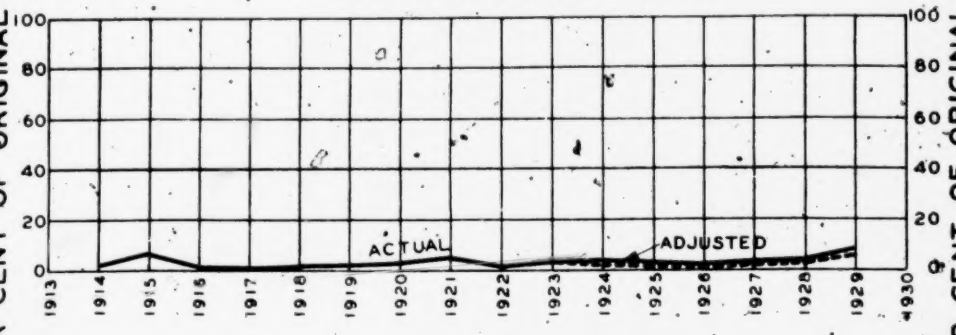
BOOTHS AND SPECIAL FITTINGS

GROSS SALVAGE



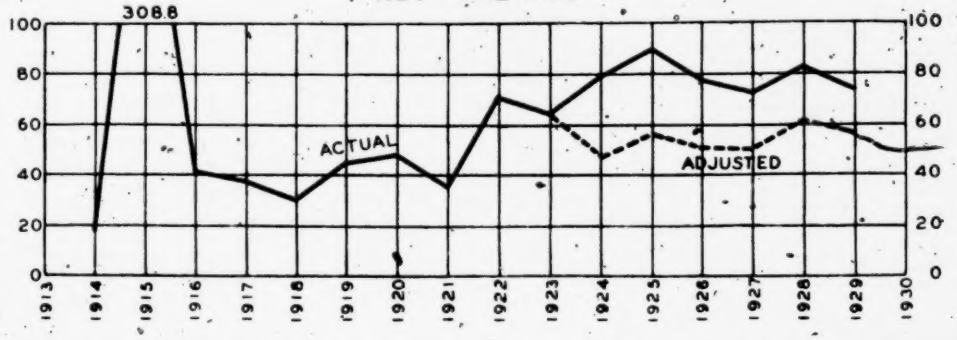
PER CENT OF ORIGINAL COST

COST OF REMOVAL



PER CENT OF ORIGINAL COST

NET SALVAGE

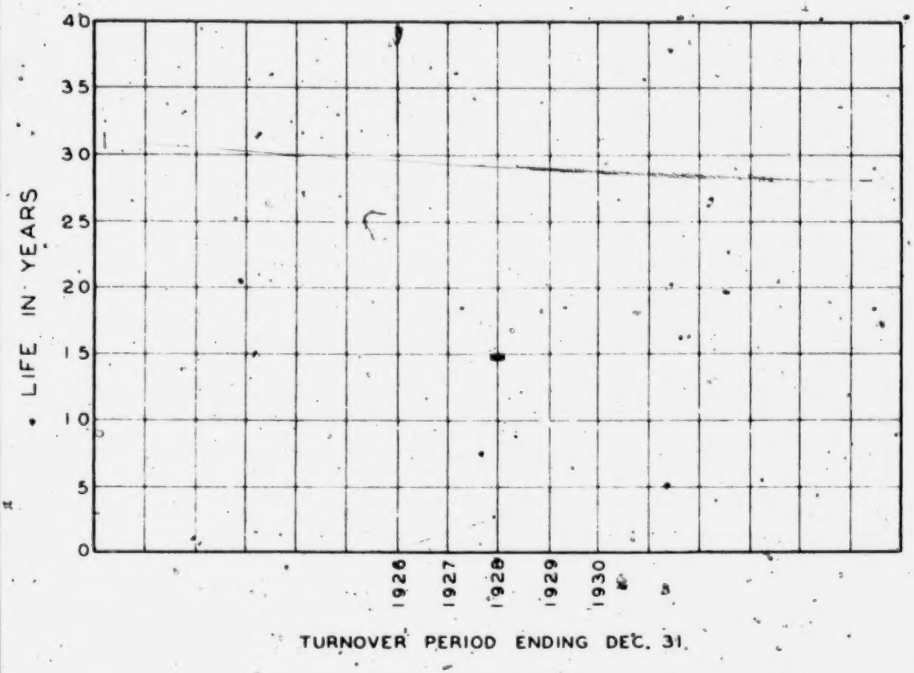


ILLINOIS BELL TELEPHONE COMPANY

CHICAGO AREA

TOLL AERIAL WIRE

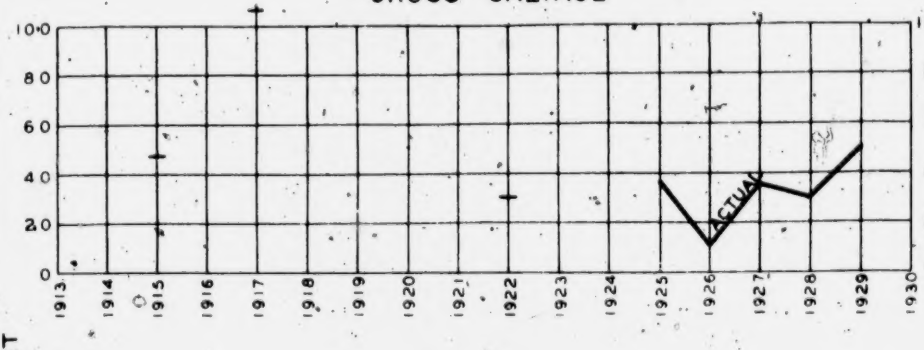
TREND OF AVERAGE LIFE AS SHOWN BY TURNOVER CYCLE STUDIES



ILLINOIS BELL TELEPHONE COMPANY

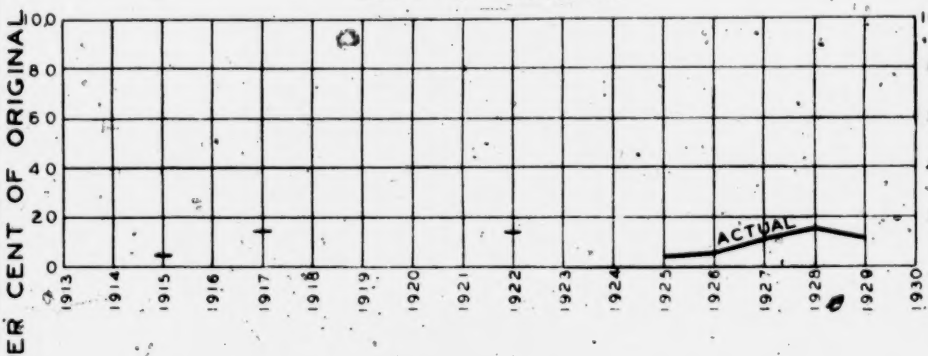
CHICAGO AREA
TOLL AERIAL WIRE

GROSS SALVAGE



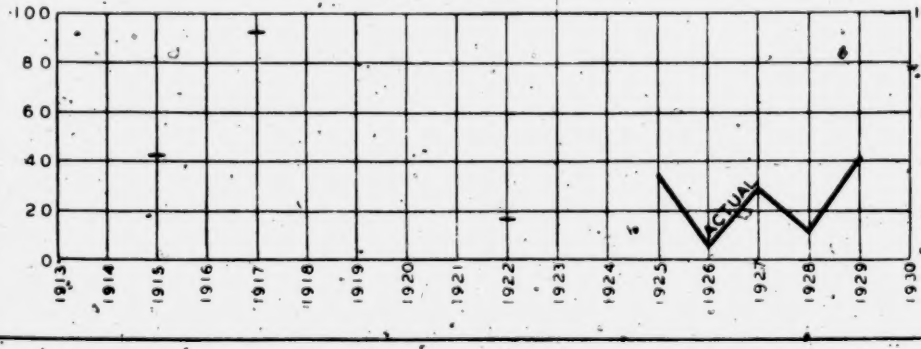
COST OF REMOVAL

PER CENT OF ORIGINAL COST



PER CENT OF ORIGINAL COST

NET SALVAGE

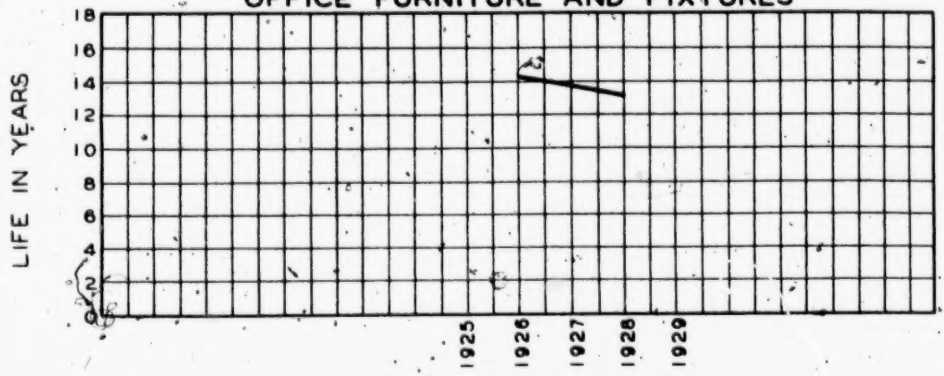


RETIREMENTS FOR 1914, 1916, 1918-1921, 1923 AND 1924 TOO SMALL TO BE REPRESENTATIVE

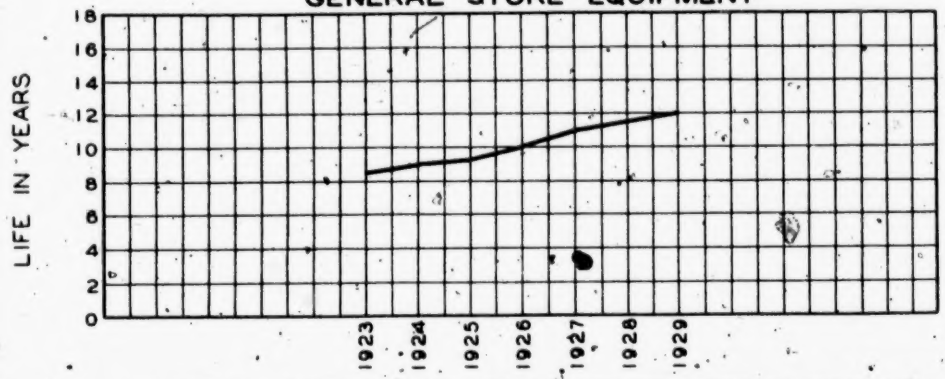
ILLINOIS BELL TELEPHONE COMPANY
CHICAGO AREA
GENERAL EQUIPMENT

TREND OF AVERAGE LIFE AS SHOWN BY TURNOVER CYCLE STUDIES

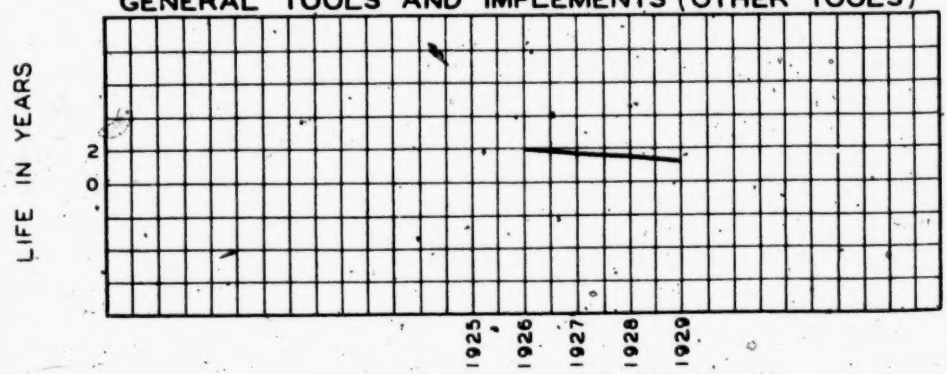
OFFICE FURNITURE AND FIXTURES



GENERAL STORE EQUIPMENT



GENERAL TOOLS AND IMPLEMENTS (OTHER TOOLS)

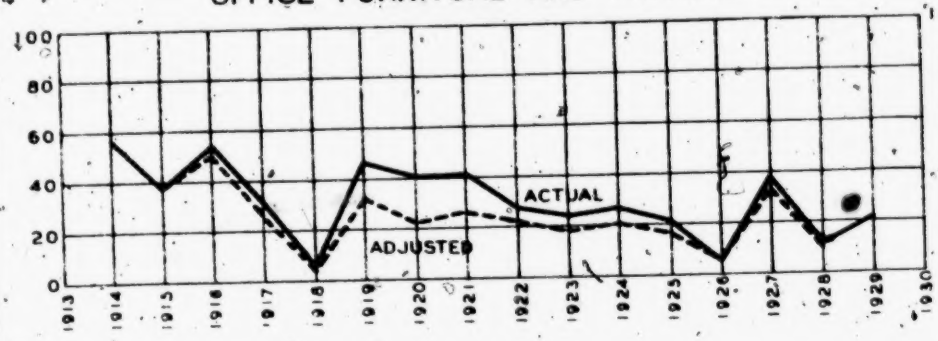


TURNOVER PERIOD ENDING DEC. 31.

ILLINOIS BELL TELEPHONE COMPANY

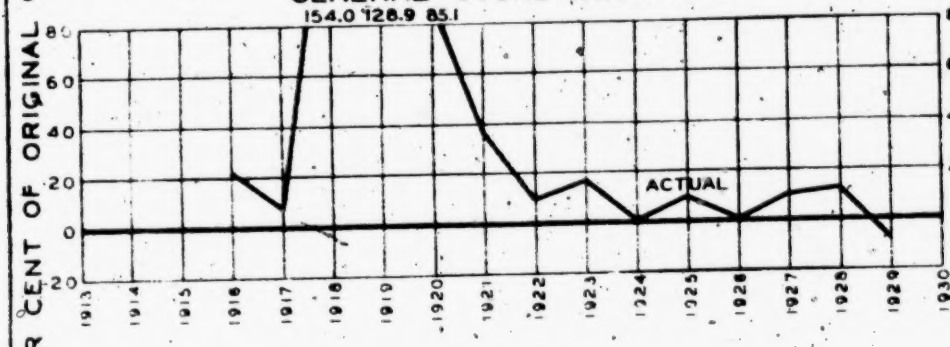
CHICAGO AREA
GENERAL EQUIPMENT
SALVAGE

OFFICE FURNITURE AND FIXTURES



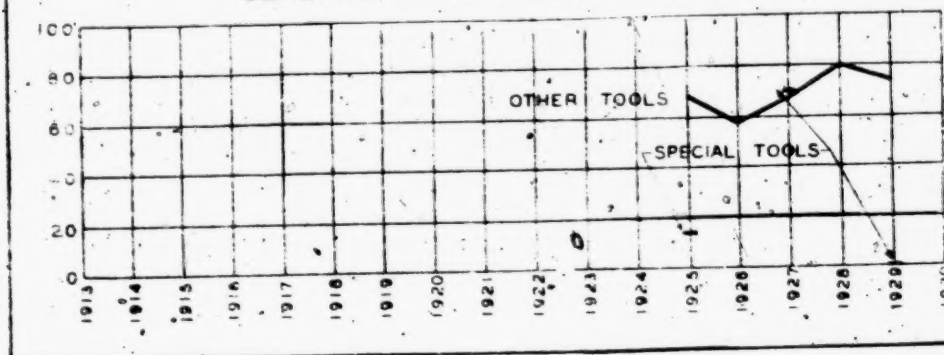
GENERAL STORE EQUIPMENT

PER CENT OF ORIGINAL COST



PER CENT OF ORIGINAL COST

GENERAL TOOLS AND IMPLEMENTS



[fol. 3150] Illinois Bell Telephone Company

Estimated Life of Right-of-Way, Chicago Area

	Right-of-Way Investment 9-30-29 A	Ave. Life of Physical Property B	No. of Lives Per Permit C	Life of Right-of-Way D—B×C	Annual Requirements E—A÷D
Exchange Right-of-Way:					
Exchange Pole Lines	54,011	23	3.0	69	783
Exchange Aerial Cable	38,092	16	1.5	24	1,587
Exchange U. G. Conduit	27,223	30	1.0	30	907
Main Subscribers' Cable	775	25	1.5	38	20
Subsidiary Cable	30,821	15	1.5	23	1,340
House Cable	214,350	22	1.5	33	6,495
Trunk Cable	565	27	1.0	27	21
Exchange Submarine Cable	51	20	1.0	20	3
Total	365,888	...	...	33	11,156
				Use 35 Years	
Toll Right-of-Way:					
Toll Pole Lines	732	20	2.5	50	15

[fol. 3151] Illinois Bell Telephone Company, Chicago Area

January 1, 1930—Depreciation Study Life and Salvage

Volume 2

The charts and tables contained in this pamphlet show the life and salvage experience of those accounts which were not included in the former pamphlet and which represent an extremely small part of the total depreciation expense.

In view of their similarity to the charts and tables described in the other pamphlet, they will undoubtedly be found self-explanatory.

[fol. 3152] Exhibit A-130

Plans for Employees' Pensions, Disability Benefits, and Death Benefits

Western Electric Company, Incorporated

American Telephone and Telegraph Company and Associated and Allied Companies

(Effective January 1, 1913, with Amendments to and Including January 1, 1930)

[fol. 3153] Plan for Employees' Pensions, Disability Benefits, and Death Benefits

(Effective January 1, 1913, with Amendments to and Including January 1, 1930)

This pamphlet describes the "Plan for Employees' Pensions, Disability Benefits and Death Benefits" of the Western Electric Company, Incorporated, and the word "Company" in the text of the plan on pages 5 to 20 means said Company.

A similar Plan has been adopted by the American Telephone and Telegraph Company and its Associated Operating Companies (in the United States), and agreements for interchange of benefit obligations have been made as provided in Section 9 of the Plan.

Summary of Benefits

A brief summary of benefits to which employees may become entitled is given below. The complete plan is contained in sections headed "Plan for Employees' Pensions, Disability Benefits and Death Benefits," pages 5 to 20.

1. Pensions:

1) Retirement on pension is provided for employees coming under the classes listed below. Employees in Class A may be retired on a service pension either at their own request or at the discretion of the Committee. Employees in Classes B and C may be retired on a service pension only at the discretion of the Committee and with the approval of the President or Vice-President.

a) Service Pensions:

Class A—Employees whose age is 60 years or more (females 55 or more) and whose term of employment has been 20 years or more.

Class B—Employees whose age is 55 to 59 years (females 50 to 54) and whose term of employment has been 25 years or more.

Class C—Employees whose age is less than 55 years (females less than 50) and whose term of employment has been 30 years or more.

b) Disability Pensions:

Class D—Any employee whose term of employment has been 15 years or more and who becomes totally disabled by reason of sickness may, at the discretion of the Committee and with the approval of the President or Vice-President, be granted a disability pension, which shall con-
[fol. 3154] tinue for such period only as the Committee may decide.

2) The amount of the annual pension in any of the above cases is 1% of the average annual pay for 10 years, multiplied by the number of years in the employee's term of employment.

Example: An employee whose term of employment at time of retirement has been thirty years and whose average pay for ten years has been $1,500 a year, will receive an annual pension equal to 30% of $1,500, or $450, payable in monthly amounts of $37.50.

Note.—The minimum pension will be $30 a month, but this is not to apply to disability pensions granted to employees of less than 20 years' service or to pensions granted to "part time" employees.

2. Accident Disability Benefits:

Total Disability—Full pay 13 weeks, half pay for remainder of disability. Maximum benefits to be $20 a week after six years of benefit payments.

Partial Disability—For first 13 weeks, 100% of loss in earning capacity; for remainder of disability, 50% of loss in earning capacity. Period of payments not to exceed six years in all.

3. Sickness Disability Benefits:

These benefits begin on the eighth calendar day of absence on account of sickness and are as follows:

a) For employees whose term of employment has been 10 years or more—Full pay 13 weeks; half pay 39 weeks.

b) For employees whose term of employment has been 5 years or more, but less than 10 years—Full pay 13 weeks; half pay 13 weeks.

c) For employees whose term of employment has been 2 years or more but less than 5 years—Full pay 4 weeks; half pay 9 weeks.

NOTE.—Benefits are not provided in the Plan for sickness of employees of less than two years' service. In such cases such practice as the Company may establish from time to time will be followed.

4. Death Benefits:

If the employee leaves a wife who was living with him at the time of his death, a husband who was physically or mentally incapable of self-support and who was actually supported by the employee at the time of her death, or a child under the age of 18 years, or over that age if physically or mentally incapable of self-support) who was actually supported by the employee at the time of death, the amount to be awarded is the maximum specified in the schedules.

[fol. 3455] In all other cases the amounts to be awarded (within the limits indicated by the schedules) and the persons to whom the payments shall be made are subject to the discretion of the Benefit Committee.

Beneficiaries are limited to a wife (or husband), dependent children and other dependent relatives of the deceased.

The Death Benefit schedules are:

a) Accident Death Benefits:

Regardless of the employee's term of employment an Accident Death Benefit not to exceed the amount specified below may be paid in case of death by accident arising out of and in the course of employment:

Three years' pay, not to exceed $5,000; provided, however, that if a greater amount could have been paid under the Sickness Death Benefit schedule below had the employee died from sickness rather than from accident, the maximum of $5,000 is increased to the amount of the Sickness Death Benefit.

In addition to the Accident Death Benefit the necessary expenses of burial, not to exceed $250, will be paid.

b) Sickness Death Benefits:

If the deceased employee had a term of employment of two years or more, a Sickness Death Benefit not to exceed the maximum shown below may be paid:

Employee's term of employment	Maximum sickness death benefit
2 but less than 3 years	4 months' wages
3 " " " 4 "	5 " "
4 " " " 5 "	6 " "
5 " " " 6 "	7 " "
6 " " " 7 "	8 " "
7 " " " 8 "	9 " "
8 " " " 9 "	10 " "
9 " " " 10 "	11 " "
10 years or more	12 " "

The minimum Sickness Death Benefit shall be $250.

Payments in Case of Death of Pensioners:

In the discretion of the Committee payments may be made to the wife (or husband), dependent children or other dependent relatives of the deceased. The maximum amount of such payments shall not exceed the amount which could have been paid under the Sickness Death Benefit schedule if the pensioner had died on his last day of active service.

Manner of Payment:

The payments described above will be made in monthly amounts, unless otherwise specified by the Committee, and will cease upon the death of the beneficiary.

[fol. 3156] Applications for Benefits

Applications for benefits shall follow the approved instructions of the Company. In default of such instructions applicants should promptly communicate with the Secretary of the Employees' Benefit Committee, to whom should also be addressed other communications with reference to the Plant.

Retirement Age

By action of the Directors of the Company a rule has been adopted which requires that every officer or other employee becoming 65 years of age shall retire at the end of the month in which that age is reached. Provision is made, however, that by specific action of the Directors the operation of this rule may be delayed from year to year with re-

spect to any employee who is performing such services for the Company that continuation in active employment is deemed for the best interests of the service. Pensions will be voted to those persons retired by the operation of this rule who are eligible to pensions under the Plan at the date of retirement.

Employees' Record of Service

Each employee on entering the service of the Company will be given a copy of this pamphlet and, at that time or at such later time as is the practice of the Company, will be required to furnish for the files of the Committee, on a form supplied for that purpose, information regarding his previous service.

Leave of Absence, Lay-off, and Transfers

Attention is called to the provisions in regard to absences from the service contained in Paragraphs 5, 6 and 7 of Section 8 of the Plan. In order that all employees may be treated fairly, the Company has established routines which must be observed if the continuity of the employee's service is to be preserved in case of transfer from one Company to another and in case of any absence from the service without pay. Failure on the part of the employee to inform himself of these routines and to observe them may result in loss of credit for previous service. Employees may obtain information regarding the routines from their immediate supervisors or from the Secretary of the Employees' Benefit Committee.

[fol. 3157] Plan for Employees' Pensions, Disability Benefits, and Death Benefits

(Effective January 1, 1913, with Amendments to and Including January 1, 1930)

Section 1. Undertaking:

The Company undertakes, in accordance with these Regulations, to provide for the payment of definite amounts to its employees when they are disabled by accident or sickness or when they are retired from service, or, in the event of death, to their dependent relatives.

Section 2. Definitions:

1) In these Regulations the word "Plan" shall mean the Plan for Employees' Pensions, Disability Benefits and Death Benefits, as set forth in these Regulations.

2) The word "Company" shall mean the Company or Companies named on the first page or its or their successors.

3) The words "President" and "Board of Directors" or "Board" shall mean the President and Board of Directors respectively of the Company.

4) The word "Committee" shall mean the persons appointed by the Board to administer the Plan.

5) The word "Employees" shall mean those persons who receive a regular and stated compensation from the Company other than a pension or retainer.

6) The expression "term of employment" shall mean period of continuous employment in the service of the Company, or of the Company, the American Telephone and Telegraph Company, the Associated and Allied Companies with which agreements have been made by the American Company for interchange of benefit obligations and any Bell Company predecessor of any of said companies, or in the service of any one or more of said companies. Service in companies subsidiary to, allied with or predecessors of any one of the aforementioned companies will be considered, in determining "term of employment," as service in such aforementioned company, in all cases authorized by appropriate action on the part of such company and approved by the Employees' Benefit Committee of the American Company.

Section 3. Committee:

1) There shall be a Committee of five (5) appointed by the Board to serve during its pleasure, which Committee shall be called the Employees' Benefit Committee. This Committee shall be charged with the administration of the Plan.

[fol. 3158] 2) The Committee shall have the specific powers elsewhere herein granted to it and shall have such other powers as may be necessary in order to enable it to administer the Plan.

3) It shall determine conclusively for all parties all questions arising in the administration of the Plan.

4) It shall be empowered to authorize disbursements according to these Regulations.

5) It shall adopt such By-Laws and rules of procedure as it may find necessary, with the approval of the President and subject to the provisions of Section 9 of these Regulations.

6) It shall be empowered to employ a Secretary and such other assistants as may be required in the administration of the Plan.

7) The expenses of the Committee in administering the Plan shall be borne by the Company.

Section 4. Pensions:

1) On and after January 1, 1913:

a) All male employees who have reached the age of sixty years and whose term of employment has been twenty or more years and all female employees who have reached the age of fifty-five years and whose term of employment has been twenty or more years may, at their own request, or at the discretion of the Committee, be retired from active service and become eligible to pensions, which pensions are designated "service pensions."

b) Any employee whose term of employment has been thirty years or more, or any male employee who has reached the age of fifty-five and whose term of employment has been twenty-five or more years, or any female employee who has reached the age of fifty years and whose term of employment has been twenty-five or more years may, at the discretion of the Committee and with the approval of the President or of a Vice-President designated by the President, be retired from active service and granted a pension, which pension is also designated a "service pension."

c) At the discretion of the Committee and with the approval of the President or of a Vice-President designated by the President, any employee who has become totally disabled as a result of sickness or of injury, other than by accidental injury arising out of and in the course of

employment by the Company, and whose term of employment has been fifteen years or more, may be retired from active service and granted a pension, which pension is designated a "disability pension." If a disability pension is granted it shall be for such period as the Committee may determine, and if at any time during such period the employee recovers sufficiently to resume active service, the pension may be discontinued by action of the Committee. If the employee re-enters the service of the Company at the time such pension is discontinued he shall thereupon be eligible to benefits under these Regulations, and the pe- [fol. 3159] riod of absence on pension shall be considered as a leave of absence and not as a break in the continuity of the employee's service.

2) The annual pension allowance for each employee retired with a pension on account of age, length of service or disability shall be as follows:

For each year of his term of employment, one per centum (1%) of the average annual pay during the ten years next preceding retirement, provided, however, that the Committee may, at its discretion, base such pension upon the average annual pay of the ten consecutive years of service during which the retired employee was paid the highest rate of wages. The minimum pension shall be Thirty Dollars ($30) per month, provided, however, that at the discretion of the Committee the pension allowance may be less than Thirty Dollars ($30) per month, but not less than the allowance computed as aforesaid, in the case of pensions granted under Paragraph 1 (c) of this Section to employees of less than twenty years' service, and in cases in which, in the opinion of the Committee, the days or hours constituting the employee's normal service have not been adequate to constitute full time service, during the number of years required to establish eligibility to pension in the class under which the employee is retired.

3) Pensions shall be payable monthly or at such shorter periods as the Committee may determine in each case.

4) Service pensions granted to employees shall continue from date of retirement to death of pensioner, but disability pensions shall continue for such period only as the Committee may determine in each case from time to time.

Further payments, if any, which may be made to the wife or dependent relatives of a deceased pensioner are as provided and limited by Section 7 of these Regulations.

5) Regular employment under a salary with this Company or with any company with which arrangements for interchange of benefit obligations, as described in Section 9 of these Regulations, have been made directly or indirectly, shall suspend the right of a retired employee to pension payments during the period he continues in such employment.

6) The Committee shall furnish quarterly to the President a list of all employees qualified to receive pensions.

7) The Committee shall notify all employees of their eligibility to retire on service pensions at their own request, as they become eligible.

8) In order to meet its obligations to pay service pensions (defined in Paragraph 1 (a) and 1 (b) of this Section) granted to take effect under the Plan, the Company, effective January 1, 1927, established a trust fund to be known as the "Pension Fund." It undertakes to maintain this [fol. 3160] Fund by periodic charges to operating expenses and payments to the Fund in such amounts that when an employee becomes eligible under the Plan to receive a service pension, there will be available in the Pension Fund an amount sufficient to provide for him a pension in the amount stated in the Plan. It has also made adequate provision in the Pension Fund for the payment of all service pensions granted under the Plan to take effect prior to January 1, 1927. The Pension Fund shall be held by a trustee or trustees for service pension purposes only and shall be disbursed as directed by the Company from time to time. In case of termination of the Plan, or in case of revocation or other termination of said trust, the Company undertakes to preserve the integrity of the Pension Fund as a trust fund to be applied solely to service pension purposes in the manner which in its judgment will enable it to meet its service pension obligations most effectively. All service pensions granted to take effect under the Plan shall be paid from the Pension Fund.

9) All Disability Pensions (defined in Paragraph 1 (c) of this Section) and all payments to dependent relatives of

deceased pensioners (defined in Paragraph 4 of this Section) shall be a charge to the operating expense accounts of the Company when and as paid.

Section 5. Accident Disability Benefits:

1) All employees of the Company on January 1, 1913, and thereafter shall be qualified to receive payments under these Regulations on account of physical disability to work by reason of accidental injury (not including the accidental injuries specified in Paragraphs 14 and 15 of Section 8 of these Regulations) arising out of and in the course of employment by the Company. Such payments are hereinafter referred to as Accident Disability Benefits.

2) Accident Disability Benefits shall be as follows:

a) Total Disability.—Full pay for any period of total disability during the first thirteen weeks of disability, and half pay for any period of total disability after the first thirteen weeks of disability, provided, however, that after the expiration of six years of disability payments, the benefits shall not exceed Twenty Dollars ($20) a week.

b) Partial Disability.—For any period of partial disability during the first thirteen weeks of disability, 100% of the difference between full pay at time of injury and wages which, in the judgment of the Committee, the employee is capable of earning; for any period of partial disability after the first thirteen weeks of disability, 50% of difference between full pay at time of injury and wages which, in the judgment of the Committee, employee is capable of earning, provided, however, that no payments for partial disability shall be made after the expiration of six years of disability payments.

"Full pay" and "half pay" for the purposes of this paragraph shall be based on the number of hours per week [fol. 3161] commonly regarded as constituting full time service, not including overtime, and shall be computed at the employee's rate of pay at the time the disability began.

3) If after a period of total disability the disability becomes partial or after a period of partial disability the disability becomes total, the amount of the benefits shall be changed accordingly.

4) In ascertaining the period during which Accident Disability Benefits shall be paid, the period of disability shall be taken as commencing upon the first day on which, because of disability, a full day's wages is not paid. Successive periods of disability from accident shall be counted together if from the same accident and separately if from different accidents.

5) Accidental injuries shall be considered as arising out of and in the course of employment only where the injury has resulted solely from accident during and in direct connection with the performance of duties to which the employee is assigned in the service of the Company, or which he is directed to perform by proper authority, or in voluntarily protecting the Company's property or interests, and there must be a clear and well-established history of the cause and circumstances of injury accidentally inflicted, and they must be sufficient to produce the alleged injury, and there must be satisfactory evidence that such injury renders the employee unable to perform his duty in the service of the Company.

6) In case of accidental injury to any employee arising out of and in the course of employment by the Company, resulting in permanent loss of a bodily member or loss of its use, special benefits, in lieu of all other benefits on account of such injury, may be awarded by the Committee, provided, however, that such special benefits shall not exceed the payment hereinafter authorized to be paid in case of death from accidental injury, except by specific authority from the Board.

7) In case of accidental injury to any employee arising out of and in the course of employment by the Company, the necessary expenses for "first aid" shall, on approval of the Committee, be paid by the Company. In addition the Company will pay for necessary surgical treatment, but no employee shall have authority to contract any bills against the Company or the Committee and nothing herein shall be held to mean or imply that the Company will be responsible for such bills as an employee may contract or his surgeon may charge. Bills for surgical treatment must be itemized before they will be considered by the Committee. The decision as to whether in any case surgical treatment was necessary and as to what constitutes surgical treatment

shall rest with the Committee. At its discretion the Committee may authorize payment of other expenses necessary for the proper care and treatment of the employee, during such period as the Committee may determine.

8) All Accident Disability Benefits and related expenses [fol. 3162] shall be a charge to the operating expense accounts of the Company when and as paid.

Section 6. Sickness Disability Benefits:

1) All employees of the Company on January 1, 1913, or thereafter shall, after a term of employment of 2 years, be qualified to receive payments under these Regulations on account of physical disability to work by reason of sickness. Such payments are hereinafter referred to as Sickness Disability Benefits. Such payments shall terminate when disability ceases and shall in no case extend beyond the periods hereinafter mentioned. For the purposes of these Regulations, sickness shall include injury other than accidental injury arising out of and in the course of employment by the Company. This Section is subject, however, to the exceptions stated in Paragraph 14 of Section 8 of these Regulations.

2) Sickness Disability Benefits shall be as follows:

a) If term of employment has been 10 years or more—full pay 13 weeks; half pay 39 weeks.

b) If term of employment has been 5 to 10 years—full pay 13 weeks; half pay 13 weeks.

c) If term of employment has been 2 to 5 years—full pay 4 weeks; half pay 9 weeks.

"Full pay" and "half pay" for the purposes of this paragraph shall be based on the number of hours per week constituting the employee's normal service under his contract of hiring, not including overtime, and shall be computed at the employee's rate of pay at the time the disability began, provided, however, that the benefits shall at no time exceed the pay which the employee would receive, based on his rate of pay and the general schedule of hours per week constituting a full week's service at the time the disability began.

3) Sickness disability benefits shall begin on the eighth calendar day of absence on account of disability, provided, however, that if an employee has received sickness disability benefits for any period and is again absent on account of sickness within two weeks after the termination of such period, any benefits on account of such further sickness shall begin on the first day of absence instead of on the eighth day.

4) Successive periods of sickness disability shall be counted together as one period in computing the period during which the employee shall be entitled to benefits, except that any sickness occurring after an employee has been continuously engaged in the performance of duty for thirteen weeks shall be considered as a new sickness and not as part of any disability which preceded such period of thirteen weeks.

5) Employees shall not be entitled to receive sickness disability benefits for time for which any wages are paid them by the Company.

[fol. 3163] 6) All Sickness Disability Benefits shall be a charge to the operating expense accounts of the Company when and as paid.

Section 7. Death Benefits:

1) In the event of the death of any employee, occurring on or after January 1, 1930 and resulting from accidental ferred to as death by accident, there may be paid (and, in the course of employment by the Company, hereinafter referred to as death by accident, there may be paid (and, in the circumstances described in sub-paragraph 4 (a) of this Section, there shall be paid) an Accident Death Benefit, the maximum amount of which shall be three years' wages, as defined in Paragraph 8 of this Section, but which shall not exceed Five Thousand Dollars ($5,000); provided, however, that if the maximum Sickness Death Benefit which could have been paid under the provisions of the next succeeding paragraphs had said employee died from sickness rather than from accidental injury, is in excess of said limit of Five Thousand Dollars ($5,000), said limit shall be increased to the amount of said maximum Sickness Death Benefit. Payment of the Accident Death Benefit, subject

to the conditions imposed in Paragraph 5 of this Section and Paragraph 29 of Section 8 and elsewhere in these Regulations, shall be made to the employee's beneficiaries as provided in Paragraph 4 of this Section. In addition to the Death Benefit the necessary expenses of the burial of the deceased employee, not exceeding Two Hundred and Fifty Dollars ($250), shall be paid.

2) In the event of the death of any employee, occurring on or after January 1, 1930 and resulting from sickness as defined in Paragraph 1 of Section 6 of these Regulations, hereinafter referred to as death by sickness, if the employee's term of employment has been two years or more there may be paid (and, in the circumstances described in sub-paragraph 4 (a) of this Section, there shall be paid) a Sickness Death Benefit which shall not be in excess of the amount specified in the following schedule:

Employee's term of employment	Maximum sickness death benefit
2 but less than 3 years	4 months' wages
3 " " " 4 "	5 " "
4 " " " 5 "	6 " "
5 " " " 6 "	7 " "
6 " " " 7 "	8 " "
7 " " " 8 "	9 " "
8 " " " 9 "	10 " "
9 " " " 10 "	11 " "
10 years or more	12 " "

The minimum Sickness Death Benefit shall be $250.

Payment of the Sickness Death Benefit, subject to the conditions imposed in Paragraph 5 of this Section and elsewhere in these Regulations, shall be made to the employee's beneficiaries, as provided in Paragraph 4 of this Section.

3) In the event of the death on or after January 1, 1930 of any person who at the time of death is receiving a pen- [fol. 3164] sion under these Regulations, the Committee in its discretion may authorize further payments to the wife (or husband) or dependent relatives of the pensioner the total amount of which shall not exceed the maximum amount which could have been paid as a Sickness Death Benefit.

under the terms of Paragraph 2 of this Section if the pensioner had died on his last day of active service.

4) The persons who may be beneficiaries of the Accident or Sickness Death Benefit or of payments on the death of a pensioner hereunder are limited to the wife (or husband) and the dependent children and other dependent relatives of the deceased. The amount to be paid in each case and the beneficiary or beneficiaries who shall receive the same, and the share which each shall receive, shall be determined by the Committee, subject to the following provisions and to the provisions of Paragraph 5 of this Section.

a) In the event of death by accident the maximum Accident Death Benefit specified in Paragraph 1 of this Section, or in the event of death by sickness, the maximum Sickness Death Benefit specified in Paragraph 2 of this Section, shall be paid, subject to the provisions of sub-paragraph (c) of this Paragraph 4, to the wife of the deceased employee if living with him at the time of his death; to the husband of the deceased employee, if physically or mentally incapable of self-support and actually supported in whole or in part by the deceased employee at the time of her death; or to the child or children of the deceased employee under the age of eighteen years (or over that age if physically or mentally incapable of self-support) who were actually supported in whole or in part by the deceased employee at the time of death. If the employee leaves both wife (or husband) and a child or children, as here described, the Committee, in its discretion, may pay the Death Benefit to or for any one or more of such possible beneficiaries in such portions as it may determine.

b) If there be no beneficiary of the deceased employee as described above in sub-paragraph (a), then, in the event of death by accident, an Accident Death Benefit in an amount not to exceed the amount specified in Paragraph 1 of this Section, or in the event of death by sickness, a Sickness Death Benefit in an amount not to exceed the amount specified in Paragraph 2 of this Section, may be paid to any other person or persons who may be beneficiaries, as defined in the first sentence of this Paragraph 4, and be receiving or entitled to receive support from the deceased employee at the time of his death.

Subject to the limitations expressed in this sub-paragraph (b) the Committee shall have full authority to determine to whom payments shall be made and the amount of the payments, taking into consideration the degree of dependency and such other facts as it may deem pertinent.

c) If the employee shall have made written request and shown good cause therefore, the Committee may pay all or a portion of the Death Benefit to a person or persons in-
—[fol. 3165] cluded in sub-paragraph (b) above, and reduce, by the amount thus paid, the amount which is payable to the persons included in sub-paragraph (a), provided in the opinion of the Committee good cause for such action still exists at the time of the employee's death.

d) Upon the death of an employee or pensioner, if there be no beneficiary qualified to receive an award under the provisions of this Section, or if the amount of such award authorized by the Committee be less than the maximum specified in Paragraph 1, 2 or 3 of this Section, as the case may be, the Committee may authorize such payments as may be required to defray the necessary expenses incident to the death of the employee or pensioner and the disability immediately preceding, together with, in the case of death by sickness, the necessary expenses, not exceeding Two Hundred and Fifty Dollars ($250), of his burial, provided, however, that the aggregate amount so paid shall not exceed the maximum benefits specified in said paragraphs.

5) Unless otherwise specified by the Committee the Death Benefit at the death of an employee or the amount awarded at the death of a pensioner shall be paid in monthly sums equal to the monthly wages or monthly pension paid at the time of his death. In the discretion of the Committee, however, such sums and times of payments may be varied.

In the event of the death of a beneficiary who is receiving or is entitled to receive installment payments under this Section, such payments shall cease. In the discretion of the Committee, however, and within the amounts which the deceased beneficiary would have received if he had survived, the Committee may authorize payments in connection with the disability, death and burial of the deceased beneficiary under conditions similar to those described in sub-paragraph (d) of Paragraph 4 of this Section, or may

authorize payments to some other person eligible as a beneficiary of the deceased employee or pensioner under the provisions of Paragraph 4.

Upon the death of an employee or pensioner, the Committee, without awaiting determination of the beneficiary or beneficiaries, if any, to whom the award will be made, may pay an amount equivalent to the wages, disability benefits or pension which the deceased was receiving, to the end of the payroll period in which the death occurs, and such payment may be made to the wife of the deceased, or to some other suitable person selected by the Committee. Such payment, if made, shall constitute a part of the award. In addition the Committee, in its discretion, may authorize payment, before the final settlement, of a part of the award not exceeding Two Hundred and Fifty Dollars ($250), to meet urgent expenses incident to the death and the immediately preceding disability of the deceased. If any of the persons to whom an award may be payable cannot be found or cannot be conveniently communicated with or are incompetent to authorize use of any part thereof for the burial of the deceased and the payment of necessary expenses in- [fol. 3166] cident to his death and preceding disability, the Committee in its discretion may make such payments, as a part of the award, as in its judgment may be reasonable for the proper burial of the deceased and the payment of necessary expenses incident to his death and disability immediately preceding.

6) A Death Benefit shall not be payable in the case of any person who dies after he has ceased to be an employee of the Company, unless such person became disabled by reason of accident or sickness while an employee and continued disabled, until death, to such a degree as to be unable to engage in any gainful occupation. In such cases a Death Benefit may be paid, in the discretion of the Committ, provided it has been furnished from time to time with such proof of continued disability as it may have required and provided it has been permitted to make, or have made by a physician, such examinations of the disabled person as it has deemed necessary in order to ascertain his condition. The amount of the Death Benefit, if any, shall not exceed the amount which could have been paid if the disabled person had died on the day he ceased to be an employee of the Company.

7) All claims for Death Benefits, to be valid, must be made in writing within one year of the death on which the claim is based. In case notice in writing of the existence of a wife (or husband), child or other dependent relative of a deceased employee shall not be served on the Committee within one year after such employee's death, it shall be conclusive, in so far as these Regulations are concerned, that there are no such persons in existence.

8) "Wages" for the purposes of this Section shall mean wages for full time service (not including overtime), computed at the employee's rate of pay at the date of death, provided, however, that if the employee normally serves the Company on less than a full time basis, benefits in case of death by sickness shall be computed on the basis of the time constituting the employee's normal service under his contract of hiring.

9) All amounts payable under this Section shall be a charge to the operating expense accounts of the Company when and as paid.

Section 8. General Provisions:

1) Neither the action of the Board of Directors in establishing this plan for employees' pensions, disability benefits and death benefits, nor any action hereafter taken by the Board or the Committee shall be construed as giving to any officer, agent or employee a right to be retained in the service of the Company or any right or claim to any pension or other benefit or allowance after discharge from the service of the Company, unless the right to such pension or benefit has accrued prior to such discharge. No employee shall have any right to a service pension by reason of service less than that specified in Paragraphs 1 (a) and 1 (b) of Section 4 of these Regulations, nor shall any employee have any right in the Pension Fund unless a service pension authorized by the Committee under the Plan has [fol. 3167] not been paid. No employee shall have any right against the Company to any benefit under the Plan except for the amount to which the employee has theretofore become entitled and which the Committee has directed be paid to that employee under the Plan.

2) Assignment of pensions or other benefits under these Regulations will not be permitted or recognized.

3) Pensions or disability benefits may be suspended or terminated, in the discretion of the Committee and the President, with the approval of the Board of Directors, in cases of conduct prejudicial to the interests of the Company.

4) In all questions relating to the term of employment and rates of pay of employees, the decision of the Committee, based upon these Regulations and upon the records of the Company, shall be final, provided, however, that as to service prior to June 1, 1914, the Committee shall have discretion to base its decisions upon the general intent of these Regulations and upon such information as may be obtainable from any source. As to service on or after June 1, 1914, this discretion shall not exist and the Committee shall base its decisions strictly upon the facts in the case as shown by the records of the Company.

5) Any absence from the service without pay, other than absence during a period of disability benefits, or leave of absence or temporary lay-off as defined in Paragraphs 6 and 7 of this Section, shall be considered as a break in the continuity of service unless the Board of Directors specifically authorizes the Committee to consider such absence as a leave of absence, and if any person is re-employed after such a break in the continuity of his service, his term of employment shall be reckoned from the date of such re-employment.

6) Leave of absence shall not constitute a break in the continuity of service, but in the case of any such absence prior to June 1, 1914, which was of more than six months' duration, the period of absence shall be deducted in computing term of employment. On and after June 1, 1914, leave of absence, for the purposes of these Regulations, shall mean leave formally granted in conformity with the rules of the Company, as adopted from time to time, and, except in the case of leave granted by the Board of Directors as provided in Paragraph 5 of this Section and leave on account of continued disability following the expiration of a period of disability benefits, such leave must be obtained at or before the time the absence begins. Leave of absence for any period in excess of one month shall not be effective unless approved in writing by the Committee, and in any case in which such approval is given, the Com-

mittee shall indicate whether or not the period of absence is to be deducted in computing term of employment and whether during the absence the employee shall be eligible to benefits under these Regulations. Absence following the expiration of a period of disability benefits shall be considered as a break in the continuity of service unless the [fol. 3168] employee is granted a leave of absence, provided, however, that in its discretion, the Committee may consider any such absence as a leave of absence, if satisfactory evidence is furnished that the disability was continuous during the entire period of absence.

7) Temporary lay-off on account of reduction of force shall not be considered as a break in the continuity of service, but when the period of absence from such cause exceeds six months in any twelve consecutive months, the entire period of the absence shall be deducted in computing term of employment, and all subsequent periods of lay-off shall be so deducted until the employee shall have been continuously engaged in the performance of duty for a period of twelve consecutive months. On and after June 1, 1914, a period of lay-off shall not be considered as temporary unless the employee is re-employed within such period as the rules of the Company, as adopted from time to time, may require, not in any case exceeding two years. If the employee is not thus re-employed, the continuity of his service shall be deemed to have been broken. No benefits under these Regulations shall be payable during a period of lay-off.

8) Every employee who shall be absent from duty on account of sickness or injury must at once notify his immediate superior, and the employee shall not be entitled to benefits for time previous to such notice, unless delay shall be shown to have been unavoidable and satisfactory evidence of disability is furnished.

9) All claims for disability benefits, to be valid, must be made within sixty days from the date of accident or from the first day of absence on account of sickness.

10) Disabled employees wishing to leave home shall obtain from the Committee written approval of absence for a specified time and furnish it satisfactory proof of disability while absent, otherwise no benefits shall be paid for such period of absence.

11) It shall be the duty of disabled employees, when their condition and location do not prevent, to call on the Committee or the Committee's representative at such times as the Committee may require.

12) A disabled employee shall not be entitled to benefits if he declines to permit the Committee to make or have made by a physician, from time to time, such examination as the Committee may deem necessary in order to ascertain the employee's condition, or if he fails to give proper information respecting his condition, or if he prevents the necessary examination by absenting himself from home without arranging with the Committee, or giving satisfactory reasons for not doing so and furnishing the necessary evidence, or if he fails to comply with notice to meet the Committee, at its offices or elsewhere, when his condition and location permit of his doing so.

13) Disabled employees must take proper care of themselves and have proper treatment. Benefits will be discon- [fol. 3169] tinued to employees who refuse or neglect to follow the recommendations of the Committee.

14) In case of disability or death directly or indirectly due to intoxication or to the use of alcoholic liquors as a beverage or to the use of stimulants or narcotics or to unlawful acts or immoralities or to fighting, unless in self-defense against unprovoked assaults, or to other encounter, such as wrestling or scuffling, or to injury received in any brawl or in any liquor saloon, gambling house or other disreputable resort, or to the wilful intent of the employee to injure himself or another, or to venereal disease, no right to benefits under these Regulations shall exist except at the discretion of the Committee.

15) Death or disability resulting from infection of a cut, abrasion, scratch, puncture, or other wound not immediately disabling and not reported at the time of the occurrence causing the injury, or from sunstroke or frostbite, shall not be classed as due to accident, except at the discretion of the Committee.

16) Payments under the Plan shall be made in conformity with the financial methods of the Company and on orders of or bills prepared by the Committee or such other persons as may be designated by the Committee.

17) Disability benefits will ordinarily be paid at the same intervals of time as would govern the payment of wages to the employee if he were in the performance of duty, but at the discretion of the Committee benefits on account of continued disability may be paid monthly and on account of disability for short periods when the amounts are ascertained.

18) In case of any grave injury or chronic sickness, if the employee requests that a lump sum be paid in full settlement of all claims under the Plan and against the Company on account of such injury or sickness, the Committee may, in its discretion, make full and final settlement with the employee by commuting the benefit payments into a single lump sum payment, which payment shall be the present value computed on a fair basis, of the benefits to which the employee would become entitled during such period as his disability may reasonably be expected to continue.

19) Disability benefits or pensions accrued but unpaid at the death of an employee or pensioner may, in the discretion of the Committee, be paid to the wife of the deceased person or to some other suitable person selected by the Committee, for use in payment of expenses incident to the death of the deceased person or the disability immediately preceding, or for the benefit of any one or more persons who were dependent upon him at the time of his death.

20) Benefits payable to an employee unable to execute a proper receipt may be paid to a relative or other proper person, selected by the Committee, to use for the benefit of the employee and the receipt of such person shall be a sufficient discharge.

[fol. 3170] 21) After an employee has received the maximum Sickness Disability Benefits herein provided for an employee of his term of employment, he shall not be eligible to further benefits on account of sickness until he shall have performed his duties as an employee of the Company for a continuous period of thirteen weeks. If an employee who has received Sickness Disability Benefits shall subsequently become disabled by reason of accidental injury arising out of and in the course of employment by the Company, or if an employee who has received Accident Dis-

ability Benefits shall subsequently become disabled by reason of sickness, the period during which benefits are payable on account of such subsequent disability shall not be affected by the preceding period of disability.

22) Benefits shall not be payable for both accident and sickness at the same time to the same person.

23) Granting a pension to an employee or retiring him from employment without a pension during a period of disability benefits shall not terminate or decrease his disability benefits. Granting a pension during a period of disability benefits, however, shall not entitle the employee to any payments on account of the pension, while the disability benefits continue, unless the amount of the pension is greater than the amount of the disability benefits, in which case only such amount shall be paid on account of the pension as may be necessary to make the total amount paid to such employee on account of the disability benefits and the pension equal to the amount he would have received if the pension alone had been paid.

24) "Rate of Pay" as used in these Regulations shall mean the time rate at which the employee is entitled to receive payment for services under the contract of hiring, provided, however, that if the employee's compensation is ordinarily computed on other than a time basis, the employee's average compensation (not including compensation for overtime) for so much of the preceding three months as he has been in the service of the Company, may be taken as determining the rate of pay, provided the rate thus computed is not less than the employee's time rate.

25) If an employee of this Company is an employee also of one or more other companies which have adopted plans for employees' pensions, disability benefits and death benefits, similar to that herein described and which have entered into arrangements with this Company, directly or indirectly, for an interchange of the benefit obligations to which the companies may be subject under such plans, any pension, disability benefits or death benefit to which such employee or his beneficiaries may become entitled under the plans shall be computed on the basis of the total combined pay which the employee is receiving from all such companies and, except in the case of injury or death due to

accident arising out of and in the course of employment by any of such companies, shall be pro-rated among the companies on the basis of the pay the employee was receiving from each company, and this Company shall only pay its share thus determined. Any maximum or minimum amounts [illegible] these Regulations for pensions, dis- [fol. 317] [illegible]efits or death benefits shall apply to the total [illegible]ble by all companies and not to the portion p[illegible] Company.

26) In cas[illegible]t resulting in injury to or death of an employee wh[illegible]mittles such employee or his beneficiaries to benefits under these Regulations, he or they may elect to accept such benefits or to prosecute such claims at law as he or they may have against the Company. If election is made to accept the benefits, such election shall be in writing and shall release the Company from all claims and demands which the employee or his beneficiaries may have against it, otherwise than under these Regulations, on account of such accident. If any persons other than the beneficiaries under these Regulations might legally assert claims against the Company on account of the death of the employee, no part of the death benefit under these Regulations shall be due or payable until there have also been delivered to the Committee good and sufficient releases of all claims, arising from or growing out of the death of the employee, which such other persons might legally assert against the Company. The Committee, in its discretion, may require that the elections and releases above described shall release any other company, connected with the accident, with which arrangements have been made, directly or indirectly, for interchange of benefit obligations, as described in Section 9 of these Regulations. The right of the employee to accident disability benefits under these Regulations shall lapse if election to accept such benefits, as above provided, is not made within sixty days after injury, or within such greater time as the Committee shall, by resolution duly entered on its records, fix for the making of such election.

27) Should claim other than under these Regulations be presented or suit brought against the Company or against any other company with which arrangements have been made, directly or indirectly, for interchange of benefit

obligations, as described in Section 9 of these Regulations, for damages on account of injury or death of an employee, nothing shall be payable under these Regulations on account of such injury or death except as provided in Paragraph 28 of this Section; provided, however, that the Committee may, in its discretion and upon such terms as it may prescribe, waive this provision if such claims be withdrawn or if such suit be discontinued.

28) In case any judgment is recovered against the Company or any settlement is made of any claim or suit on account of the injury or death of an employee, and the amount which would otherwise have been payable under these Regulations is greater than the amount paid on account of such judgment or settlement, the difference between the two amounts may, in the discretion of the Committee, be distributed to the beneficiaries who would have received benefits under these Regulations, except that no party to any such suit against the Company shall be entitled to any portion thereof.

29) In case any benefit or pension shall be payable under the laws now in force or hereafter enacted of any State or [fol. 3172] Country to any employee of the Company or his beneficiaries under such laws, the excess only, if any, of the amount prescribed in these Regulations above the amount of such benefit or pension prescribed by law shall be the benefit or pension payable under these Regulations. In those cases where because of differences in the beneficiaries, or differences in the time or methods of payment, or otherwise, whether there is such excess or not is not ascertainable by mere comparison but adjustments are necessary, the Committee in its discretion is authorized to determine whether or not in fact any such excess exists, and in case of such excess, to make the adjustments necessary to carry out in a fair and equitable manner the spirit of the provision for the payment of such excess.

30) The Committee shall publish annually to the employees a report of the operations under the Plan.

Section 9. Interchange of Benefit Obligations:

Agreement may be made by this Company with the American Telephone and Telegraph Company for an inter-

change with that Company and its Associated or Allied Companies, of the benefit obligations to which such Companies may be subject under plans for employees' pensions, disability benefits and death benefits similar to that herein adopted. The general provisions of such agreement will be:

a) That as long as such agreement remains in force the Plan herein adopted shall be maintained by this Company so as to conform to the Plan of the American Telephone and Telegraph Company.

b) That advance provision for the payment of service pensions shall be made by this Company in such amounts as may be necessary to provide for and fulfill all requirements of the Plan as in effect from time to time.

c) That an employee's term of employment, as hereinbefore defined, shall include employment not only in this Company and the American Telephone and Telegraph Company, but also in any other Company with which reciprocal agreements under this Plan shall have been made by the American Telephone and Telegraph Company.

d) That in case of consolidation or merger with another Company having a similar employees' benefit plan, the Pension Funds of the Companies consolidated or merged shall be combined.

Section 10. Changes in Plan:

The Committee, subject to the provisions of Section 9, with the consent of the President and subject to the approval of the Board of Directors, may from time to time make changes in the Plan set forth in these Regulations, but such changes shall not affect the rights of any employee, without his consent, to any benefit or pension to which he may have previously become entitled hereunder.

[fol. 3173] Retain this pamphlet for reference. In the event of sickness, accident or any other case requiring attention, report facts at once to your immediate supervisor.

[fol. 3174] EXHIBIT A-146

Western Electric Company, Inc.

Pension Reserve at December 31, 1931

Pension Reserves at December 31, 1930 (See Exhibit —)		$56,187,000
Interest for 12 months		2,300,000 (1)
Contribution for 12 months		3,399,000 (2)
Less Pension Payments for 12 months		197,000
Balance		61,689,000
Less Reserve released on account of low continuance rate		1,550,000 (3)
Reserve at December 31, 1931		60,139,000

Explanation of Certain Items Above

(1) Interest:	On Fund beginning of year— 4.04% of $56,188,000 =	$2,270,000
	One-Half year's interest on one semi-annual contribution— 2% of ½ of $3,399,000 =	34,000
		$2,304,000
	Less One-Half year's interest on pension payments— 2% of $197,000 =	4,000
	Balance	$2,300,000
(2) Contribution:	Actual Pay Roll	$93,603,000
	Add to bring to normal salary schedule basis	14,976,000
		$108,579,000
	Deduct adjustment on account of low continuance rate	11,182,000
	Final adjusted pay roll	$97,397,000
	3.49% of $97,397,000 =	3,399,000
(3) Reserve released:	Estimated reserve released in respect to prior service on account of low continuance rate	$3,100,000

Assumed one-half of $3,100,000 could be released. Part of reserve will probably be required in future in event of subsequent re-hiring.

[fol. 3175]

EXHIBIT A-147

Western Electric Company, Incorporated

Accumulation of Pension Fund, 1922-1931, with Contribution on Basis of 1931 Contribution Percentage Adjusted for Distribution by Sex and Age at Entry

	a	b	c	d	e	f	g	h
	Annual Pay Roll	1931 Contribution Percentage Adjusted for Distribution by Sex and Age at Entry	Contribution (axb)	Interest (*)	Pension Payments	Net Additions (c+d−e)	Fund at End of Year	Computed Reserves
1922							$17,600,000	$17,600,000
1923	$82,864,000	3.48	$2,884,000	$739,000	$72,000	$3,551,000	21,151,000	
1924	91,351,000	3.48	3,179,000	885,000	75,000	3,989,000	25,140,000	25,800,000
1925	72,144,000	3.48	2,511,000	1,039,000	77,000	3,473,000	28,613,000	
1926	78,755,000	3.48	2,741,000	1,182,000	69,000	3,854,000	32,467,000	31,500,000
1927	80,709,000	3.46	2,793,000	1,338,000	86,000	4,045,000	36,512,000	
1928	88,492,000	3.46	3,062,000	1,504,000	101,000	4,465,000	40,977,000	40,600,000
1929	131,797,000	3.51	4,626,000	1,699,000	120,000	6,284,000*	47,261,000	
1930	133,603,000	3.51	4,689,000	1,953,000	147,000	6,495,000	53,756,000	56,187,000†
1931	93,603,000	3.49	3,267,000	2,201,000	197,000	5,271,000	59,027,000	60,139,000**
1923–1931	853,318,000		29,752,000	12,540,000	944,000	41,427,000*		

* Interest equals 4.04% of fund at beginning of year plus 2% of half the year's contribution, minus 2% of the pension payments.

* Includes reserves transferred from another fund for a former International Western Electric Company, Incorporated employee.

† Not adjusted for reserve released due to lower continuance rate in 1931.

** Adjusted to normal salary basis and on account of lower continuance rate in 1931.

39—440

2913

[fol. 3176]

EXHIBIT A-148

Western Electric Company, Incorporated

Accumulation of Pension Fund, 1912–1922, with Contributions on Basis of 1931 Contribution

Percentage Adjusted for Distribution by Sex and Age at Entry

	a	b	c	d	e	f	g	h
	Annual Pay Roll	1931 Contribution Percentage Adjusted for Distribution by Sex and Age at Entry	Contribution (axb)	Interest (*)	Pension Payments	Net Additions (c+d−e)	Fund at End of Year	Computed Reserves
1911								
1912	$11,470,000	3.52	$404,000	$160,000	$34,000	$530,000	$3,880,000	$3,880,000
1913	13,927,000	3.52	490,000	183,000	35,000	638,000	4,410,000	
1914	13,147,000	3.52	463,000	208,000	38,000	633,000	5,048,000	
1915	10,930,000	3.52	385,000	232,000	44,000	573,000	5,681,000	
1916	17,228,000	3.52	606,000	258,000	40,000	824,000	6,254,000	
1917	25,022,000	3.50	876,000	294,000	36,000	1,134,000	7,078,000	
1918	27,694,000	3.48	964,000	341,000	35,000	1,270,000	8,212,000	
1919	28,202,000	3.48	981,000	392,000	45,000	1,328,000	9,482,000	
1920	43,799,000	3.48	1,524,000	451,000	51,000	1,924,000	10,810,000	
1921	56,558,000	3.48	1,968,000	533,000	63,000	2,438,000	12,734,000	
1922	63,812,000	3.48	2,221,000	634,000	67,000	2,788,000	15,172,000	
1912–1922	311,789,000		10,882,000	3,686,000	488,000	14,080,000	17,960,000	17,600,000

* Interest equals 4.04% of fund at beginning of year plus 2% of half the year's contribution, minus 2% of the pension payments.

(Here follow Exhibits 150, 151, side folios 3177, 3178.)

EXHIBIT A-150

AMERICAN TELEPHONE AND TELEGRAPH COMPANY

29141

3177

ALLOCATION TO CHICAGO ... LICENSED IN ILLINOIS

PERSONNEL RELATION DEPARTMENT

YEARS 1923 - 1931

Year	Column 4 Exhibit No. 193 (1)	Allocated to "Other" by Exhibit No. 193 (2)	Deduction for "Non-License" Items (3) Per Cent of Col. (2) (a)	Deduction for "Non-License" Items (3) Amount	Balance "Other" Allocable to License Contract (2 less 3) (4)	Allocated directly to License Contract by Exhibit No. 193 (5)	Total License Contract Associated Companies (Including Bell of Canada) and Long Lines (4 + 5) (6)	Allocated to Long Lines (7) Per Cent of Col. (6)	Allocated to Long Lines (7) Amount	Balance Associated Companies (Including Bell of Canada) (6 less 7) (8)	Allocated to Chicago Area (9) Per Cent of Col. (8)	Allocated to Chicago Area (9) Amount
1923												
Administration	$ 56,996	$ 6,700				$ 51,296						
Personnel	131,946	13,195				118,751						
Special Training	38,436	6,487				26,248						
Total	221,377	25,382	10	$2,538	222,844	195,995	$218,839	(b) 3.5	$ 7,659	$ 211,180	(b) 7.0	$14,783
Public Relations	80,456	0		0	0	80,456	80,456	(c) 5.8	4,667	75,791	(d) 6.6	5,002
Total	301,833	25,382		2,538	22,844	276,453	299,297	x x	12,326	286,971	x x	19,785
1924												
Administration	62,197	6,220				55,977						
Personnel	133,270	13,327				119,943						
Special Training	59,979	11,980				47,219						
Total	255,366	31,527	10	3,153	28,374	223,839	252,213	(b) 3.3	8,323	243,890	(b) 6.8	16,585
Public Relations	14,223	0		0	0	14,223	14,223	(c) 5.5	782	13,441	(d) 6.4	860
Total	269,589	31,527		3,153	28,374	238,062	266,436	x x	9,105	257,331	x x	17,445
1925												
Administration	62,263	6,226				56,037						
Personnel	156,435	15,644				140,791						
Special Training	84,332	16,866				67,466						
Total	303,030	38,736	10	3,874	34,862	264,294	299,156	(b) 3.1	9,274	289,882	(b) 6.9	20,008
Public Relations	14,719	0		0	0	14,719	14,719	(c) 5.4	795	13,914	(d) 6.2	877
Total	317,749	38,736		3,874	34,862	279,013	313,875	x x	10,069	303,796	x x	20,879
1926												
Administration	62,775	6,278				56,497						
Personnel	206,590	20,659				185,931						
Special Training	92,687	18,537				74,150						
Total	362,052	45,474	10	4,547	40,927	316,578	357,505	(b) 3.5	12,513	344,992	(b) 7.1	24,494
Public Relations	15,391	0		0	0	15,391	15,391	(c) 5.5	847	14,544	(d) 6.3	915
Total	377,443	45,474		4,547	40,927	331,969	372,896	x x	13,360	359,536	x x	25,410
1927												
Administration	62,547	6,255				56,292						
Personnel	203,982	20,398				183,584						
Special Training	74,268	14,854				59,414						
Total	340,797	41,507	10	4,151	37,356	299,290	336,646	(b) 4.1	13,802	322,844	(b) 7.0	22,599
Public Relations	15,431	0		0	0	15,431	15,431	(c) 5.9	910	14,521	(d) 6.3	915
Total	356,228	41,507		4,151	37,356	314,721	352,077	x x	14,712	337,365	x x	23,514
1928												
Administration	64,007	6,400				57,607						
Personnel	202,197	20,220				181,977						
Special Training	77,560	15,512				62,048						
Total	343,764	42,132	10	4,213	37,919	301,632	339,551	(b) 4.6	15,619	323,932	(b) 7.3	23,647
Public Relations	15,838	0		0	0	15,838	15,838	(c) 6.6	1,045	14,793	(d) 6.3	938
Total	359,602	42,132		4,213	37,919	317,470	355,389	x x	16,664	338,725	x x	24,579
1929												
Administration	67,918	6,792				61,126						
Personnel	231,143	23,114				208,029						
Special Training	89,109	17,822				71,287						
Total	388,170	47,728	10	4,773	42,955	340,442	383,397	(b) 5.8	22,237	361,160	(b) 6.8	24,569
Public Relations	17,263	0		0	0	17,263	17,263	(c) 7.4	1,277	15,986	(d) 6.3	1,007
Total	405,433	47,728		4,773	42,955	357,705	400,660	x x	23,514	377,146	x x	25,566
1930												
Administration	83,652	8,367				74,385						

1930												
Administration	52,652	8,267				74,385						
Personnel	300,227	20,022				180,206						
Special Training	91,531	18,307				73,224						
Total	374,410	46,596	10	4,660	41,936	327,814	369,750	(b) 6.2	22,925	346,825	(b) 6.8	23,584
Public Relations	17,258	0		0	0	17,258	17,258	(c) 7.9	1,363	15,895	(d) 6.2	985
Total	391,668	46,596		4,660	41,936	345,072	387,008	x x	24,288	362,720	x x	24,569
1931												
Administration	68,884	6,888				61,996						
Personnel	145,474	14,548				130,926						
Special Training	77,112	15,422				61,690						
Total	291,470	36,858	10	3,686	33,172	254,612	287,784	(b) 6.4	15,540	272,244	(b) 6.5	17,696
Public Relations	16,462	0		0	0	16,462	16,462	(c) 7.7	1,268	15,194	(d) 6.1	927
Total	307,932	36,858		3,686	33,172	271,074	304,246	x x	16,808	287,438	x x	18,623

(a) Allocated to "Non-Licensee" on the basis of employees of American Tel. & Tel. Co., General Department, Western Electric, Bell Laboratories, Electrical Research Products and Graybar engaged in "Non-Bell" activities.

(b) Allocated to Long Lines and Chicago Area on the basis of employees.

(c) Allocated to Long Lines on the basis of a composite of Plant Investment, employees, Expenses and Total Telephone Revenues.

(d) Allocated to Chicago Area on the basis of a composite of Stations, Plant Investment, employees, Expenses and Total Telephone Revenues.

EXHIBIT A-151

ALLOCATION TO CHICAGO AREA OF EXPENSES INCURRED IN RENDERING LICENSE CONTRACT SERVICES

BENEFIT AND MEDICAL DEPARTMENT

YEARS 1923 - 1931

Year	Column 4 Exhibit No. 193 (1)	Allocated to "Other" by Exhibit No. 193 (2)	Deduction for "Non-License" Items (3) Per Cent of Col. (2)	Deduction for "Non-License" Items (3) Amount	Balance "Other" Allocable to License Contract (2 less 3) (4)	Allocated directly to License Contract by Exhibit No. 193 (5)	Total License Contract Associated Companies (including Bell of Canada) and Long Lines (6)	Allocated to Long Lines (7) Per Cent of Col. (6)	Allocated to Long Lines (7) Amount	Balance Associated Companies (including Bell of Canada) (6 less 7) (8)	Allocated to Chicago Area (9) Per Cent of Col. (8)	Allocated to Chicago Area (9) Amount
1923												
General Staff	$48,847	$ 8,717	(a) 10	$ 872	7,845	$34,870	$ 42,715	(a) 3.5	$1,495	$ 41,220	(d) 7.0	$2,886
Benefit	24,424											
Medical	(b) 55,802											
Benefit Payments, etc.	172,824											
Total	253,120	x x	(c) 5	12,656	x x	x x	240,464	(c) 5.8	13,947	226,517	(f) 6.8	14,880
Total	296,707	x x		13,528	x x	x x	283,179		15,442	267,737		17,886
1924												
General Staff	57,387	11,017	(a) 10	1,102	10,369	46,070	56,439	(d) 3.3	1,862	54,575	(d) 6.8	3,711
Benefit	24,726											
Medical	30,938											
Benefit aymants, etc.	152,825											
Total	188,289	x x	(c) 5	9,414	x x	x x	178,875	(c) 5.5	9,838	169,037	(f) 6.4	10,815
Total	246,676	x x		10,506	x x	x x	236,310		11,700	223,610		14,525
1925												
General Staff	102,089	20,418	(a) 10	2,042	18,376	81,671	100,047	(d) 3.1	3,101	96,946	(d) 6.9	6,689
Benefit	15,040											
Medical	37,711											
Benefit Payments, etc.	130,934											
Total	183,685	x x	(c) 5	9,184	x x	x x	174,801	(c) 5.4	9,435	165,070	(f) 6.3	10,400
Total	285,774	x x		11,226	x x	x x	274,548		12,824	261,024		17,089
1926												
General Staff	150,392	30,078	(a) 10	3,008	27,070	120,314	147,384	(d) 3.5	5,148	142,236	(d) 7.1	10,098
Benefit	17,329											
Medical	34,664											
Benefit Payments, etc.	128,132											
Total	180,125	x x	(c) 5	9,006	x x	x x	171,119	(c) 5.5	9,413	161,707	(f) 6.3	10,189
Total	330,517	x x		12,014	x x	x x	318,503		14,870	303,933		20,286
1927												
General Staff	166,368	33,274	(a) 10	3,327	29,947	133,094	163,041	(d) 4.1	6,685	156,356	(d) 7.0	10,945
Benefit	28,579											
Medical	38,857											
Benefit Payments, etc.	356,383											
Total	415,819	x x	(c) 5	20,791	x x	x x	395,028	(c) 5.9	23,307	371,721	(f) 6.3	23,418
Total	582,187	x x		24,118	x x	x x	558,069		29,992	528,077		34,363
1928												
General Staff	180,559	36,112	(a) 10	3,611	32,501	144,447	176,948	(d) 4.6	8,140	168,808	(d) 7.3	12,323
Benefit	20,913											
Medical	38,209											
Benefit Payments, etc.	328,135											
Total	387,257	x x	(c) 5	19,213	x x	x x	368,044	(c) 6.6	24,093	340,951	(f) 6.3	21,490
Total	564,816	x x		22,824	x x	x x	541,992		32,233	509,759		33,803
1929												
General Staff	190,536	38,107	(a) 10	3,971	35,736	158,829	194,565	(d) 5.8	11,285	183,280	(d) 6.8	12,463
Benefit	20,406											
Medical	37,724											
Benefit Payments, etc.	394,210											
Total	452,337	x x	(c) 5	22,617	x x	x x	429,720	(c) 7.4	31,795	397,921	(f) 6.3	25,049
Total	650,873	x x		26,588	x x	x x	624,285		43,084	581,201		37,532
1930												
General Staff	229,200	45,840	(a) 10	4,584	41,256	183,360	224,616	(d) 6.2	13,926	210,690	(d) 6.8	14,347
Benefit	21,290											
Medical	37,647											
Benefit ayments, etc.	420,568											
Total	479,405	x x	(c) 5	23,970	x x	x x	455,435	(c) 7.9	35,979	419,456	(f) 6.2	26,006

Total	482,337	x x	(c) 5	22,617	x x	x x	459,720	(d) 7.0	32,195	501,915	(f) 6.4	29,832
Total	650,873	x x		26,598	x x	x x	624,285		43,084	501,201		37,532
1930												
General Staff	229,200	45,840	(a) 10	4,584	41,256	183,360	224,616	(d) 6.2	13,928	110,600	(d) 6.8	14,357
Benefit	21,290											
Medical	37,047											
Benefit payments, etc.	420,568											
Total	479,405	x x	(c) 5	23,979	x x	x x	455,426	(e) 7.2	35,979	419,456	(f) 6.2	26,006
Total	708,605	x x		28,554	x x	x x	650,051		49,905	630,146		40,332
1931												
General Staff	231,293	46,259	(a) 10	4,626	41,633	185,034	226,667	(d) 5.4	12,240	214,427	(d) 6.5	13,938
Benefit	19,928											
Medical	34,355											
Benefit Payments, etc.	487,187											
Total	541,470	x x	(c) 5	27,074	x x	x x	514,396	(e) 7.7	39,608	474,788	(f) 6.1	27,962
Total	772,763	x x		31,700	x x	x x	741,063		51,848	689,215		42,000

(a) Per cent of column 2 - Allocated to "Non-license" on the basis of Employees of American Telephone and Telegraph Company - General Department, Western Electric, Bell Laboratories, Electrical Research Products and Graybar, engaged in Non-Bell activities.

(b) Excludes $4,800 specifically allocated.

(c) Per cent of column (1) allocated on the basis of the overall "Non-license" activities of the General Department. The balance, Allocable to License Contract, is shown in column (5).

Allocated to:

(d) Long Lines and Chicago Area on the basis of Employees.

(e) Long Lines on the basis of a composite of Plant Investment, Employees, Expenses and Total Telephone Revenues.

(f) Chicago Area on the basis of a composite of Stations, Plant Investment, Employees, Expenses and Total Telephone Revenues.

[fol. 3179]

EXHIBIT A-152

American Telephone and Telegraph Company
Allocation to Chicago Area of Expenses Incurred
in Rendering License Contract Services
Personnel Department
Summary, Years 1923-1931

	Column 4 Exhibit No. 193	Allocated to Chicago Area
1923		
Personnel Relations	$301,835	$19,785
Benefit and Medical	296,707	17,835
Total	598,542	37,620
1924		
Personnel Relations	269,589	17,445
Benefit and Medical	245,876	14,529
Total	515,465	31,974
1925		
Personnel Relations	317,749	20,879
Benefit and Medical	285,774	17,089
Total	603,523	37,968
1926		
Personnel Relations	377,443	25,410
Benefit and Medical	330,517	20,286
Total	707,960	45,696
1927		
Personnel Relations	356,228	23,514
Benefit and Medical	582,187	34,363
Total	938,415	57,877
1928		
Personnel Relations	359,602	24,579
Benefit and Medical	564,816	33,803
Total	924,418	58,382
1929		
Personnel Relations	405,433	25,566
Benefit and Medical	650,873	37,532
Total	1,056,306	63,098
1930		
Personnel Relations	391,668	24,569
Benefit and Medical	708,605	40,333
Total	1,100,273	64,902
1931		
Personnel Relations	397,932	18,623
Benefit and Medical	772,763	42,900
Total	1,080,695	61,523

[fol. 3180]

EXHIBIT A-153

American Telephone and Telegraph Company

Allocation to Chicago Area of Expenses Incurred in Rendering License Contract Services

Public Relations, Years 1923–1931

	Regular Employees Dec. 31 (1)	Total Expenses (2)	Allocated to Long Lines (3)		Balance Associated Companies (Including Bell of Can.) (4)	Allocated to Chicago Area (5)	
			Per Cent of Col. (2)	Amount		Per Cent of Col. (4)	Amount
Representation of Companies before Federal Government and National Trade Organizations*:							
1923		$0		$0	$0		$0
1924	3	21,878	5.5	1,203	20,675	6.4	1,323
1925	3	27,751	5.4	1,499	26,252	6.3	1,654
1926	3	27,365	5.5	1,505	25,860	6.3	1,629
1927	3	27,471	5.9	1,621	25,850	6.3	1,629
1928	3	27,878	6.6	1,840	26,038	6.3	1,640
1929	3	27,310	7.4	2,021	25,289	6.3	1,593
1930	4	27,494	7.9	2,172	25,322	6.2	1,570
1931	(a)	15,226	7.7	1,172	14,054	6.1	857
Development of telephone use in different types of business †:							
1923							
1924							
1925							
1926							
1927							
1928							
1929	2	8,431	8.7	733	7,698	6.5	500
1930	2	21,973	8.6	1,890	20,083	6.3	1,265
1931	2	23,213	8.4	1,950	21,263	6.2	1,318

Total Public Relations:

1923		0		0	0	0
1924	3	21,878		1,203	20,675	1,323
1925	3	27,751		1,499	26,252	1,654
1926	3	27,365		1,505	25,860	1,629
1927	3	27,471		1,621	25,850	1,629
1928	3	27,878		1,840	26,038	1,640
1929	5	35,741		2,754	32,987	2,093
1930	6	49,467		4,062	45,405	2,835
1931	2	38,439		3,122	35,317	2,175

*Allocated:

To the Long Lines on the basis of a composite ratio of Plant, Employees, Expenses, and Total Telephone Revenues.
To the Chicago Area on the composite of the above factors plus Stations.

†Allocated to Long Lines and to Chicago Area on the basis of Total Telephone Revenues.

(a) Transferred to Legal Department in 1931.

[fol. 3181]

EXHIBIT A-154

American Telephone and Telegraph Company

Allocation to Chicago Area of Expenses Incurred in Rendering License Contract Services

Treasurer's Department, Years 1923-1931

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" Items 6% of Col. (2)	Balance Associated Companies (Including Bell of Canada) and Long Lines	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)*	Amount		Per Cent of Col. (6)*	Amount
	(1)	(2)	(3)	(4)			(6)		
1923	276	$954,861	$57,292	$897,569	5.8	$52,059	$845,510	6.6	$55,804
1924	259	1,258,097	75,486	1,182,611	5.5	65,044	1,117,567	6.4	71,524
1925	250	944,914	56,695	888,219	5.4	47,964	840,255	6.3	52,936
1926	260	1,381,752	82,905	1,298,847	5.5	71,437	1,227,410	6.3	77,327
1927	261	1,103,130	66,188	1,036,942	5.9	61,180	975,762	6.3	61,473
1928	266	1,648,226	98,894	1,549,332	6.6	102,256	1,447,076	6.3	91,166
1929	297	1,501,063	95,464	1,495,599	7.4	110,674	1,384,925	6.3	87,250
1930	361	2,499,674	149,980	2,349,694	7.9	185,626	2,164,068	6.2	134,172
1931	351	1,652,282	99,137	1,553,145	7.7	119,592	1,433,553	6.1	87,447

* Allocated:

To the Long Lines on the basis of a composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To the Chicago Area on the basis of the above factors plus Stations.

EXHIBIT A-155

American Telephone and Telegraph Company

Allocation to Chicago Area of Expenses Incurred in Rendering License Contract Services

Comptroller's Department, Years 1923-1931

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" 5% of Col: (2)	Balance Associated Companies (Including Bell of Canada) and Long Lines	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)	Amount		Per Cent of Col. (6)†	Amount
	(1)	(2)	(3)	(4)			(6)		
1923:									
Bell System Methods	66	$186,980							
Chief Traveling Auditor	25	134,890							
General Books and Records	43	110,722							
Chief Statistician	91	203,055							
Chief Accountant	5	19,811							
Bell System Reports	20	76,105							
Undistributed		203,980							
Administration	4	37,030							
Total	254	$972,573	$48,629	$923,944	5.8	$53,588	$870,356	6.6	$57,443
1924:									
Bell System Methods	64	$212,296							
Chief Traveling Auditor	28	152,738							
General Books and Records	50	121,885							
Chief Statistician	100	242,402							
Chief Accountant	6	25,768							
Bell System Reports	22	77,344							
Undistributed		195,364							
Administration	3	42,940							
Total	273	$1,070,737	$53,537	$1,017,200	5.5	$55,946	$961,254	6.4	$61,520

1925:									
Bell System Methods	77	$245,128							
Chief Traveling Auditor	32	191,395							
General Books and Records	51	127,904							
Chief Statistician	99	264,086							
Chief Accountant	6	34,708							
Bell System Reports	19	78,500							
Undistributed		193,284							
Administration	3	41,715							
Total	287	$1,176,720	$58,836	$1,117,884	5.4	$60,366	$1,057,518	6.3	$66,624

* Composite of Plant Investment, Employees, Expenses and Total Telephone Revenues.
† Composite of Stations, Plant Investment, Employees, Expenses and Total Telephone Revenues.

[fol. 3183]

EXHIBIT A-155—Continued

American Telephone and Telegraph Company

Allocation to Chicago Area of Expenses Incurred in Rendering License Contract Services

Comptroller's Department, Years 1923–1931

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" 5% of Col. (2)	Balance Associated Companies (Including Bell of Canada) and Long Lines	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)*	Amount		Per Cent of Col. (6)†	Amount
	(1)	(2)	(3)	(4)			(6)		
1926:									
Bell System Methods	86	$276,794							
Chief Traveling Auditor	33	198,688							
General Books and Records	60	142,351							
Chief Statistician	118	292,594							
Chief Accountant	6	38,474							
Bell System Reports	18	79,585							
Undistributed		237,557							
Administration	3	40,571							
Total	324	$1,306,614	$65,330	$1,241,284	5.5	$68,270	$1,173,014	6.3	$73,899
1927:									
Bell System Methods	87	$298,690							
Chief Traveling Auditor	33	204,764							
General Books and Records	60	158,662							
Chief Statistician	117	325,119							
Chief Accountant	6	44,778							
Bell System Reports	18	82,242							
Undistributed		250,257							
Administration	3	47,719							
Total	324	$1,412,231	$70,611	$1,341,620	5.9	$79,155	$1,262,465	6.3	$79,535

1928:									
Bell System Methods	81	$299,111							
Chief Traveling Auditor	35	218,979							
General Books and Records	58	168,570							
Chief Statistician	118	352,646							
Chief Accountant	7	43,749							
Bell System Reports	17	86,784							
Undistributed	...	260,699							
Administration	3	53,933							
Total	319	$1,484,471	$74,223	$1,410,248	6.6	$93,076	$1,317,172	6.3	$82,981

* Composite of Plant Investment, Employees, Expenses and Total Telephone Revenues.
† Composite of Stations, Plant Investment, Employees, Expenses and Total Telephone Revenues.

[fol. 3184] American Telephone and Telegraph Company

Allocation to Chicago Area of Expenses Incurred in Rendering License Contract Services

Comptroller's Department, Years 1923-1931

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" 5% of Col. (2)	Balance Associated Companies (Including Bell of Canada) and Long Lines	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)*	Amount		Per Cent of Col. (6)†	Amount
	(1)	(2)	(3)	(4)			(6)		
1929:									
Bell System Methods	90	$319,861	.....	.....	...	.....	.....	...	.....
Chief Traveling Auditor	37	225,685	.....	.....	...	.....	.....	...	.....
General Books and Records	64	183,427	.....	.....	...	.....	.....	...	.....
Chief Statistician	123	370,798	.....	.....	...	.....	.....	...	.....
Chief Accountant	7	54,167	.....	.....	...	.....	.....	...	.....
Bell System Reports	17	86,754	.....	.....	...	.....	.....	...	.....
Undistributed	...	275,873	.....	.....	...	.....	.....	...	.....
Administration	3	50,257	.....	.....	...	.....	.....	...	.....
Total	341	$1,566,822	$78,341	$1,488,481	7.4	$110,147	$1,378,334	6.3	$86,835
1930:									
Bell System Methods	94	$346,110	.....	.....	...	.....	.....	...	.....
Chief Traveling Auditor	39	237,307	.....	.....	...	.....	.....	...	.....
General Books and Records	76	210,666	.....	.....	...	.....	.....	...	.....
Chief Statistician	120	401,090	.....	.....	...	.....	.....	...	.....
Chief Accountant	7	58,843	.....	.....	...	.....	.....	...	.....
Bell System Reports	16	90,930	.....	.....	...	.....	.....	...	.....
Undistributed	...	306,784	.....	.....	...	.....	.....	...	.....

Total	355	$1,704,662	$85.233	$1.619,429	7.9	$127.935	$1.491,494	6.2	$92,472

1931:									
Bell System Methods	90	$341,991	.....	.....	...	.....	.....	...	.....
Chief Traveling Auditor	39	252,061	.....	.....	...	.....	.....	...	.....
General Books and Records	78	213,155	.....	.....	...	.....	.....	...	.....
Chief Statistician	115	386,727	.....	.....	...	.....	.....	...	.....
Chief Accountant	7	57,218	.....	.....	...	.....	.....	...	.....
Bell System Reports	16	79,246	.....	.....	...	.....	.....	...	.....
Undistributed	...	305,578	.....	.....	...	.....	.....	...	.....
Administration	3	56,099	.....	.....	...	.....	.....	...	.....
Total	348	$1,692,075	$84,604	$1,607,471	7.7	$123,775	$1,483,696	6.1	$90,505

* Composite of Plant Investment, Employees, Expenses and Total Telephone Revenues.
† Composite of Stations, Plant Investment, Employees, Expenses and Total Telephone Revenues.

[fol. 3185]

EXHIBIT A-156

American Telephone and Telegraph Company

Allocation to Chicago Area of Expenses Incurred in Rendering License Contract Services

Secretary's Department, Years 1923—1931

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" Items 5% of Col. (2)	Balance Associated Companies (Including Bell of Canada) and Long Lines	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)	Amount		Per Cent of Col. (6)	Amount
	(1)	(2)	(3)	(4)			(6)		
				(a) $4,372	x x	$1,093	$3,279		
				(b) 51,255	5.8	2,973	48,282		
1923	11	$58,555	$2,928	$55,627	x x	$4,066	$51,561	6.6	$3,403
				(a) $4,945	x x	$1,236	$3,709		
				(b) 55,589	5.5	3,057	52,532		
1924	10	$63,720	$3,186	$60,534	x x	$4,293	$56,241	6.4	$3,599
				(a) $4,776	x x	$1,194	$3,582		
				(b) 54,949	5.4	2,967	51,982		
1925	10	$62,868	$3,143	$59,725	x x	$4,161	$55,564	6.3	$3,501
				(a) $4,973	x x	$1,243	$3,730		
				(b) 57,844	5.5	3,181	54,663		
1926	10	$66,123	$3,306	$62,817	x x	$4,424	$58,393	6.3	$3,679
				(a) $5,076	x x	$1,269	$ 3,807		
				(b) 55,376	5.9	3,267	52,109		
1927	10	$63,634	$3,182	$60,452	x x	$4,536	$55,916	6.3	$3,523

				(a) $5,397	x x	$1,323	$4,074			
				(b) 59,643	6.6	3,936	55,707			
1928	9	$68,463	$3,423	$65,040	x x	$5,259	$59,781	6.3	$3,766	
				(a) $5,847	x x	$1,462	$4,385			
				(b) 60,034	7.4	4,443	55,591			
1929	10	$69,348	$3,467	$65,881	x x	$5,905	$59,976	6.3	$3,778	
				(a) $6,178	x x	$1,545	$4,633			
				(b) 58,787	7.9	4,644	54,143			
1930	8	$68,384	$3,419	$64,965	x x	$6,189	$58,776	6.2	$3,644	
				(a) $5,128	x x	$1,282	$3,846			
				(b) 48,398	7.7	3,727	44,671			
1931	8	$56,343	$2,817	$53,526	x x	$5,009	$48,517	6.1	$2,960	

(a) Specific services.
(b) Balance allocated:
To Long Lines on the basis of a composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To Chicago Area on the composite of the above factors plus Stations.

[fol. 3186]

EXHIBIT A-157

American Telephone and Telegraph Company

Allocation to Chicago Area of Epenses Incurred in Rendering License Contract Services

Sundry Items (Including Administration)

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" Items	Balance Associated Companies (Including Bell of Canada) and Long Lines	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)*	Amount		Per Cent of Col. (6)*	Amount
	(1)	(2)	(3)	(4)			(6)		
1923:									
Administration	26	$665,055	.....	.....	...	.....	.....	...	.....
Vice President Wilson	4	98,331	.....	.....	...	.....	.....	...	.....
Restaurant Activities	..	21,970**	.....	.....	...	.....	.....	...	.....
Total	30	$741,416	$125,421	$615,995	5.8	$35,728	$580,267	6.6	$38,298
1924:									
Administration	27	$536,068	.....	.....	...	.....	.....	...	.....
Vice President Wilson	4	182,729	.....	.....	...	.....	.....	...	.....
Restaurant Activities	..	42,713**	.....	.....	...	.....	.....	...	.....
Total	31	$376,084	$50,904	$625,180	5.5	$34,385	$590,795	6.4	$37,811
1925:									
Administration	27	$636,151	.....	.....	...	.....	.....	...	.....
Vice President Wilson	4	148,318	.....	.....	...	.....	.....	...	.....
Restaurant Activities	..	38,112**	.....	.....	...	.....	.....	...	.....
Total	31	$746,357	$40,263	$706,094	5.4	$38,129	$667,965	6.3	$42,082
1926:									
Administration	27	$605,663	.....	.....	...	.....	.....	...	.....
Vice President Wilson	3	69,328	.....	.....	...	.....	.....	...	.....
Vice President Guernsey	4	79,744	.....	.....	...	.....	.....	...	.....
Total	34	$754,735	$43,936	$710,799	5.5	$39,094	$671,705	6.3	$42,317

1927:									
Administration	32	$729,100							
Vice President Wilson	3	69,442							
Vice President Guernsey	3	78,382							
Total	38	$876,924	$50.259	$826,665	5.9	$48,773	$777,892		$49,007
1928:									
Administration	30	$649,425							
Vice President Wilson	3	64,214							
Vice President Guernsey	3	63,443							
Total	36	$777,082	$50,758	$726,324	6.6	$47,937	$678,387	6.3	$42,738
1929:									
Administration	26	$675,562							
Vice President Wilson	3	67,183							
Vice President Guernsey	3	61,182							
Total	32	$803,927	$40,196	$763,731	7.4	$56,516	$707,215	6.3	$44,555
1930:									
Administration	22	$943,172							
Vice President Wilson	2	72,394							
Total	24	$1,015,566	$289,121	$726,445	7.9	$57,389	$669,056	6.2	$41,481
1931:									
Administration	17	$681,451							
Vice President Wilson	2	73,320							
Total	19	$751,771	$85,089	$666,682	7.7	$51,335	$615,347	6.1	$37,536

* Allocated: To the Long Lines on the basis of a composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To Chicago Area on the composite of the above factors plus Stations.

** Red Figures.

[fol. 3182] American Telephone and Telegraph Company

Department Sundry Items (Including Administration)

Deduction for "Non-license" Items, Years 1923—1931

1923—Total Expenses		$741,416		x x x
Gentry	$18,000			
Japan Relief	75,000	93,000		$93,000
		$648,416	5% =	32,421
				$125,421
1924—Total Expenses		$676,084		x x x
Gentry		18,000		$18,000
		$658,084	x 5% =	32,904
				$50,904
1925—Total Expenses		$746,357		x x x
Gentry	$1,500			
Marble Bust Alex. G. Bell	1,600	3,100		$3,100
		$743,257	x 5% =	37,163
				$40,263
1926—Total Expenses		$754,735		x x x
Sculpture	$5,625			
Main Hall Marble Bust	900	6,525		$6,525
		$748,210	x 5% =	37,411
				$43,936
1927—Total Expenses		$876,924		x x x
Sculpture		6,750		$6,750
		$870,174	x 5% =	43,509
				$50,259
1928—Total Expenses		$777,082		x x x
Sculpture		12,530		$12,530
		$764,552	x 5% =	38,228
				$50,758
1929—Total Expenses		$803,927	x 5% =	$40,196
1930—Total Expenses		$1,015,566		x x x

Telephone Pioneers (Local)	$887		
J. H. Carty Medal	25,000		
Fund for Adv. of Science	200,000		
Emergency Employment Committee	25,000	250,887	$250,887
		$764,679 x 5% =	38,234
			$289,121
1931—Total Expenses	.....	$751,771	x x x
Emergency Employment Committee	.....	50,000	$50,000
		$701,771 x 5% =	35,089
			$85,089

[fol. 3188]

EXHIBIT A-158

American Telephone and Telegraph Company

Allocation to Chicago Area of Expenses Incurred in Rendering License Contract Services

General Service Bureau, Years 1923—1931

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" Items 5% of Col. (2)	Balance Associated Companies (Including Bell of Canada) and Long Lines	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)*	Amount		Per Cent of Col. (6)*	Amount
	(1)	(2)	(3)	(4)			(6)		
1923	113	$283,108	$14,155	$268,953	5.8	$15,599	$253,354	6.6	$16,721
1924	126	331,265	16,563	314,702	5.5	17,309	297,393	6.4	19,033
1925	127	363,483	18,174	345,309	5.4	18,647	326,662	6.3	20,580
1926	152	427,692	21,385	406,307	5.5	22,347	383,960	6.3	24,189
1927	165	440,925	22,046	418,879	5.9	24,714	394,165	6.3	24,832
1928	167	466,002	23,300	442,702	6.6	29,218	413,484	6.3	26,049
1929	195	508,045	25,402	482,643	7.4	35,716	446,927	6.3	28,156
1930	210	555,152	27,758	527,394	7.9	41,664	485,730	6.2	30,115
1931	203	517,808	25,890	491,918	7.7	37,878	454,040	6.1	27,696

* Allocated:
To the Long Lines on the basis of composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To the Chicago Area on basis of composite ratio of above factors plus Stations.

[fol. 3189]

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EXHIBIT A-159

American Telephone and Telegraph Company

Allocation to Chicago Area of Expense Incurred in Rendering License Contract Services

Department of Operation—C (General), Years 1923—1931

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" Items	Balance Associated Companies (Including Bell of Canada) and Long Lines (a)	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)*	Amount		Per Cent of Col. (6)*	Amount
	(1)	(2)	(3)	(4)			(6)		
1923	37	$241,740	$28,189	$213,551	6.9	$14,735	$198,816	6.3	$12,525
1924	37	241,069	31,281	209,788	6.6	13,846	195,942	6.1	11,952
1925	40	243,589	32,024	211,565	6.6	13,963	197,602	5.9	11,659
1926	37	271,875	31,326	240,549	6.4	15,395	225,454	5.8	13,059
1927	38	265,671	32,642	233,029	6.7	15,613	217,416	5.7	12,393
1928	36	286,718	32,468	254,250	7.5	19,069	235,181	5.8	13,640
1929	36	317,727	48,934	268,793	8.2	22,041	246,752	5.9	14,558
1930	34	341,080	63,288	277,792	8.8	24,446	253,346	5.7	14,441
1931	35	327,647	54,016	273,631	9.0	(b)39,433	234,198	5.7	(b)12,862

(a) Amounts as per statement "Estimated Costs incurred in rendering License Contract Services."
* Allocated to Long Lines and to Chicago Area on the basis of a composite ratio of Plant and Total, Telephone Revenues.
(b) Includes special adjustment.

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[fol. 3190]

EXHIBIT A-160

American Telephone and Telegraph Company

Allocation to Chicago Area of Expenses Incurred in Rendering License Contract Services

Legal Department, Years 1923—1931

	Regular Employees Dec. 31	Total Expenses	Deduction for "Non-License" Items	Balance Associated Companies (Including Bell of Canada) and Long Lines	Allocated to Long Lines (5)		Balance Associated Companies (Including Bell of Canada)	Allocated to Chicago Area (7)	
					Per Cent of Col. (4)*	Amount		Per Cent of Col. (6)*	Amount
	(1)	(2)	(3)	(4)			(6)		
1923	69	$759,191	$95,079	$664,112	7.7	$51,137	$612,975	7.0	$42,908
1924	70	746,667	84,567	662,100	7.1	47,009	615,091	6.8	41,826
1925	67	780,265	112,100	668,165	7.2	48,108	620,057	6.5	40,304
1926	65	750,600	90,865	659,735	7.1	46,841	612,894	6.3	38,612
1927	65	796,734	76,415	720,319	7.2	51,863	668,456	6.2	41,444
1928	69	1,029,330	93,015	936,315	8.1	75,842	860,473	6.2	53,349
1929	68	692,727	101,222	591,505	8.7	51,461	540,044	6.5	35,103
1930	66	967,031	105,767	861,264	8.6	74,069	787,195	6.3	49,593
1931	67	915,625	98,483	817,142	8.4	68,640	748,502	6.2	46,407

* Apportioned to Long Lines and to Chicago Area on the Basis of Total Telephone Revenues.

[fol. 3191]

EXHIBIT A-161

American Telephone and Telegraph Company

Allocation of Taxes to Chicago Area, Years 1923—1931

	Total (1)	Allocated to A. T. & T. Co., "Non-License" (2)	Balance Allocable to Associated Companies (Including Bell of Canada) and Long Lines (3)	Allocated to Long Lines (4)		Allocated to Associated Companies (Including Bell of Canada) (5)	Allocated to Chicago Area (6)	
				Per Cent of Col. (3)	Amount		Per Cent of Col. (5)	Amount
1923:								
Instrument—Illinois Bell	$58,913	.....	$58,913	....	.....	$58,913	70.7*	$41,651
Other	101,591	.....	101,591	....	.....	101,591	....	.....
Massachusetts Franchise	39,509	.....	39,509	....	.....	39,509	....	.....
New York Excise	84,503							
New York Franchise	308,024							
Federal Capital Stock	604,736	$65,335	958,056	5.8#	$55,567	902,489	6.6#	59,564
Stamp and Miscellaneous	26,128							
Federal Income	1,774,164	.....	1,774,164	5.8#	102,902	1,671,262	6.6#	110,303
Total	2,997,568	65,335	2,932,233					
Less amount excluded from statement of "Estimated Costs, etc."	14,911	14,911	.....					
Balance	$2,982,657	$50,424	$2,932,233		$158,469	$2,773,764		$211,518
1924:								
Instrument—Illinois Bell	$74,685	.....	$74,685	....	.....	$74,685	70.7*	$52,802
Other	110,874	.....	110,874	....	.....	110,874	....	.....
Massachusetts Franchise	538,041	.....	538,041	....	.....	538,041	....	.....

* Instrument Taxes—Illinois Bell allocated to Chicago Area on the basis of the ratio of instruments in the Chicago Area to the total instruments in the possession of the Illinois Bell.

New York Excise, New York Franchise, Federal Capital Stock, Stamp and Miscellaneous and Federal Income Taxes allocated:
To the Long Lines on the basis of a composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To the Chicago Area on the composite of the above factors plus stations.

EXHIBIT A-161

American Telephone and Telegraph Company

Allocation of Taxes to Chicago Area, Years 1923—1931

	Total (1)	Allocated to A. T. & T. Co., "Non-License" (2)	Balance Allocable to Associated Companies (Including Bell of Canada) and Long Lines (3)	Allocated to Long Lines (4) Per Cent of Col. (3)	Allocated to Long Lines (4) Amount	Allocated to Associated Companies (Including Bell of Canada) (5)	Allocated to Chicago Area (6) Per Cent of Col. (5)	Allocated to Chicago Area (6) Amount
New York Excise	91,806							
New York Franchise	315,298	62,102	1,069,219	5.5*	58,807	1,010,412	6.4*	64,666
Federal Capital Stock	692,493							
Stamp and Miscellaneous	31,724							
Federal Income	1,688,607	.....	1,688,607	5.5*	92,873	1,595,734	6.4*	102,127
Total	3,543,528	62,102	3,481,426					
Less amount excluded from statement of "Estimated Costs, etc."	5,827	5,827	.....					
Balance	$3,537,701	$56,275	$3,481,426		$151,680	$3,329,746		$219,595
1925:								
Instrument—Illinois Bell	$87,569	.....	$87,569	.....	.....	$87,569	70.6*	$61,824
Other	121,264	.....	121,264	.....	.....	121,264	.....	.....
Massachusetts Franchise	549,929	.....	549,929	.....	.....	549,929	.....	.....
New York Excise	99,681							
New York Franchise	387,953	69,455	1,258,780	5.4	67,974	1,190,806	6.3*	75,021
Federal Capital Stock	812,483							
Stamp and Miscellaneous	28,118							
Federal Income	1,871,865	.....	1,871,865	5.4*	101,018	1,770,784	6.3*	111,559
Total	3,958,862	69,455	3,889,407					

Less amount excluded from statement of "Estimated Costs, etc."	3,203	3,203	.....					
Balance	$3,955,659	$66,252	$3,889,407	....	$169,055	$3,720,352	....	$248,404

[fol. 3192]

1926:								
Instrument—Illinois Bell	$2,187	.....	$2,187	....	.....	$2,187	70.4*	$1,540
Other	14,643	.....	14,643	....	.....	14,643	....	.....
Massachusetts Franchise	547,433	.....	547,433	....	.....	547,433	....	.....
New York Excise	114,034							
New York Franchise	387,254							
Federal Capital Stock	417,690	50,456	924,948	5.5#	50,872	874,076	6.3#	55,067
Stamp and Miscellaneous	26,426							
Federal Income	1,870,902	.....	1,870,902	5.5#	102,900	1,768,002	6.3#	111,384
Total	3,410,569	50,456	3,360,113					
Less amount excluded from statement of "Estimated Costs, etc."	1,774	1,774	.....					
Balance	$3,408,795	$48,682	$3,360,113	....	$153,772	$3,206,341	....	$167,991
1927:								
Instrument—Illinois Bell	$85	.....	$85	....	.....	$85	70.5*	$60
Other	17,257	.....	17,257	....	.....	17,257	....	.....
Massachusetts Franchise	560,330	.....	560,330	....	.....	560,330	....	.....
New York Excise	141,788							
New York Franchise	463,167							
Federal Capital Stock	96,000	36,606	674,468	5.9#	39,794	634,674	6.3#	39,984
Stamp and Miscellaneous	10,119							
Federal Income	2,193,547	141,115	2,052,432	5.9#	121,093	1,931,339	6.3#	121,674
Total	3,482,293	177,721	3,304,572					

*Instrument Taxes—Illinois Bell allocated to Chicago Area on the basis of the ratio of instruments in the Chicago Area to the total instruments in the possession of the Illinois Bell.

#New York Excise, New York Franchise, Federal Capital Stock, Stamp and Misscellaneous and Federal Income Taxes allocated:
To the Long Lines on the basis of a composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To the Chicago Area on the composite of the above factors plus stations.

EXHIBIT A-161

American Telephone and Telegraph Company

Allocation of Taxes to Chicago Area, Years 1923—1931

	Total (1)	Allocated to A. T. & T. Co., "Non-License" (2)	Balance Allocable to Associated Companies (Including Bell of Canada) and Long Lines (3)	Allocated to Long Lines (4) Per Cent of Col. (3)	Allocated to Long Lines (4) Amount	Allocated to Associated Companies (Including Bell of Canada) (5)	Allocated to Chicago Area (6) Per Cent of Col. (5)	Allocated to Chicago Area (6) Amount
Less amount excluded from statement of "Estimated Costs, etc."	142,223	142,223	.....					
Balance	$3,340,070	$35,498	$3,304,572	....	$160,887	$3,143,685	.....	$161,718
1928:								
Massachusetts Franchise	$600,407	.....	$600,407	....	.....	$600,407	....	.....
New York Excise	130,552							
New York Franchise	463,551	29,551	555,033	6.6%	36,632	518,401	6.8%	$32,659
Federal Capital Stock	20,129							
Stamp and Miscellaneous	10,610							
Federal Income	487,220	.....	487,220	6.6%	32,157	455,063	6.3%	28,669
Total	1,672,211	29,551	1,642,660					
Less amount excluded from statement of "Estimated Costs, etc."	339	339	.....					
Balance	$1,671,872	$29,212	$1,642,660	....	$68,789	$1,573,871	.....	$61,328
[fol. 3193]								
1929:								
Massachusetts Franchise	$556,143	.....	$556,143	....	.....	$556,143	....	.....
New York Excise	132,436							
New York Franchise	473,252	$31,193	581,062	7.4%	42,999	538,063	6.3%	$33,898
Stamp and Miscellaneous	6,567							

Federal Income	149,685**	.....	149,685**	7.4%	11,077**	138,608**	6.3%	8,732**
Total	1,018,713	31,193	987,520					
Less amount excluded from statement of "Estimated Costs, etc."	611	611	.....	....				
Balance	$1,018,102	130,582	$987,520	....	$31,922	$955,598	....	$25,166
1930:								
Massachusetts Franchise	566,257	.....	$566,257	....	.....	$566,257	$...	$.....
New York Excise	154,174							
New York Franchise	496,402	37,129	613,712	7.9%	48,483	565,229	6.2%	35,044
Stamp and Miscellaneous	265							
Federal Income	223,372**	.....	223,372**	7.9%	17,646**	205,726**	6.2%	12,755**
Total	993,726	37,129	956,597					
Less amount excluded from statement of "Estimated Costs, etc."	4,828	4,828	.....	....				
Balance	$988,898	$32,301	$956,597	....	$30,837	$925,760	....	$22,289
1931:								
Massachusetts Franchise	$582,807	.....	$582,807	....	.....	$582,807	....	$.....
New York Excise	175,458							
New York Franchise	653,485	42,117	786,987	7.7%	60,598	726,389	6.1%	44,310
Stamp and Miscellaneous	161							
Federal Income	126,146	.....	126,146	7.7%	9,713	116,433	6.1%	7,102
Total	1,538,057	42,117	1,495,940					
Less amount excluded from statement of "Estimated Costs, etc."	697	697	.....					
Balance	$1,537,360	$41,420	$1,495,940	....	$70,311	$1,425,629	....	$51,412

*Instrument Taxes—Illinois Bell allocated to Chicago Area on the basis of the ratio of instruments in the Chicago Area to the total instruments in the possession of the Illinois Bell.

#New York Excise, New York Franchise, Federal Capital Stock, Stamp and Misscellaneous and Federal Income Taxes allocated:
To the Long Lines on the basis of a composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To the Chicago Area on the composite of the above factors plus stations.

**Red figures.

[fol. 3194]

EXHIBIT A-162

American Telephone and Telegraph Company

Number of Telephone Instruments (Receivers and Transmitters) Charged Associated Companies, Long Lines and Chicago Area, Years 1923-1927

As of June 30th:	Associated Companies and Long Lines (1)	Long Lines (2)		Associated Companies (3)	Chicago Area (4)		Illinois Bell Tel. Co. (5)	Chicago Area (6)	
		Number	% of Col. 1		Number (Actual)	% of Col. 3		Number	% Col. (6) of Col. (5)
1923	21,838,882	13,449	.06	21,825,433	1,429,813	6.6	2,023,667	1,429,812	70.7
1924	23,985,777	14,261	.06	23,971,516	1,561,400	6.5	2,209,425	1,561,400	70.7
1925	25,819,394	13,526	.05	25,805,868	1,677,704	6.5	2,375,628	1,677,704	70.6
1926	27,931,406	14,660	.05	27,916,746	1,804,726	6.5	2,563,864	1,804,726	70.4
1927	29,713,385	17,298	.06	29,696,087	1,949,568	6.6	2,766,800	1,949,568	70.5

Sources of Information

Associated Operating Companies
Long Lines
Illinois Bell Tel. Co. } General Books

Chicago Area: M. R. 11—Chicago Area

[fol. 3195] American Telephone and Telegraph Company

Allocation to Chicago Area of Instrument Maintenance (Repairs and Depreciation) Expense, Years 1923–1927

	Total for Associated Companies and Long Lines (1)	Allocated to Long Lines (2)		Associated Companies (3)	Allocated to Chicago Area (4)	
		% of Col. 1*	Amount		% of Col. 3*	Amount
1923	$3,219,594	.06	$1,932	$3,217,662	6.6	$212,366
1924	3,719,626	.06	2,232	3,717,394	6.5	241,631
1925	4,261,771	.05	2,131	4,259,640	6.5	276,877
1926	4,953,961	.05	2,477	4,951,484	6.5	321,846
1927	5,217,807	.06	3,131	5,214,676	6.6	344,169
		Depreciation Included Above (7%)				
1923	$2,133,172	.06	$1,280	$2,131,892	6.6	$140,705
1924	2,390,753	.06	1,434	2,389,319	6.5	155,306
1925	2,648,034	.05	1,324	2,646,710	6.5	172,036
1926	2,920,151	.05	1,460	2,918,691	6.5	189,715
1927	3,150,992	.06	1,891	3,149,101	6.6	207,841

*Allocated to Long Lines and Chicago Area on the basis of Instruments charged June 30.

Note: Instruments sold December 31, 1927.

[fol. 3196]

EXHIBIT A-163

American Telephone and Telegraph Company

Instrument Credit, Chicago Area

	1923	1924	1925	1926	1927
1. Average Current Cost	$2,366,891	$2,699,950	$2,939,714	$3,054,103	$3,046,359
2. Actual Depreciation (8% of Item 1)	189,351	215,996	235,177	244,328	243,709
3. Current Cost less 8% Depreciation (Item 1 less Item 2)	2,177,540	2,483,954	2,704,537	2,809,775	2,802,650
4. Depreciation Expense—7% of Current Cost (Item 1)	165,682	188,997	205,780	213,787	213,245
5. Return on Current Cost less 8% Depreciation (8% of Item 3)	174,203	198,716	216,363	224,782	224,212
6. Total, Items 4 and 5	339,885	387,713	422,143	438,569	437,457
7. Margin for Additional Instruments (6% of Item 6)	20,393	23,263	25,329	26,314	26,247
8. Instrument Repairs	71,661	86,325	104,841	132,131	136,328
9. Total, Items 6, 7 and 8	431,939	497,301	552,313	597,014	600,032

[fol. 3197] EXHIBIT A-164

American Telephone and Telegraph Company

Year 1923

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Capital Stock	$719,964,600.00	$63,274,388.10	8.79
Capital Stock Premiums	52,290,661.47	0	
Total	772,255,261.47	63,274,388.10	8.19
Surplus Unappropriated and Appropriated	110,176,041.50	0	
Total	882,431,302.97	63,274,388.10	7.17
Capital Stock Installments	19,431,657.60	1,444,818.88	7.44
Funded Debt	220,755,867.61	12,565,490.66	5.69
Loans from Associated Companies	13,121,234.70	752,339.56	5.73
Total	$1,135,740,062.88	$78,037,037.20	6.87

[fol. 3198] American Telephone and Telegraph Company

Year 1924

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Capital Stock	$805,145,900.00	$70,918,227.27	8.81
Capital Stock Premiums	53,324,737.39	0	
Total	858,470,637.39	70,918,227.27	8.26
Surplus Unappropriated and Appropriated	122,127,554.82	0	
Total	980,598,192.21	70,918,227.27	7.23
Capital Stock Installments	20,945,567.32	1,214,805.33	5.80
Funded Debt	261,296,556.84	14,648,567.22	5.61
Loans from Associated Companies	29,350,239.54	1,669,891.42	5.69
Total	$1,292,190,555.91	$88,451,491.24	6.85

[fol. 3199] American Telephone and Telegraph Company

Year 1925

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Capital Stock	$911,181,400.00	$81,044,425.93	8.89
Capital Stock Premiums	54,387,652.56	0	
Total	965,569,052.56	81,044,425.93	8.39

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Surplus Unappropriated and Appropriated	133,007,894.94	0	
Total	1,098,576,947.50	81,044,425.93	7.38
Capital Stock Installments	26,063,889.06	1,796,636.88	6.89
Funded Debt	357,900,608.61	20,086,703.31	5.61
Loans from Associated Companies	15,632,045.95	872,038.96	5.58
Total	$1,498,233,491.12	$103,799,805.08	6.93

[fol. 3200] American Telephone and Telegraph Company

Year 1926

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Capital Stock	$979,026,200.00	$86,496,345.50	8.83
Capital Stock Premiums	55,541,177.20	0	
Total	1,034,567,377.20	86,496,345.50	8.36
Surplus Unappropriated and Appropriated	163,123,359.98	0	
Total	1,197,690,737.18	86,496,345.50	7.22
Capital Stock Installments	38,227,418.65	2,510,565.75	6.57
Funded Debt	360,153,241.89	20,167,929.09	5.60
Loans from Associated Companies	7,057,854.30	380,849.28	5.40
Total	$1,603,129,252.02	$109,555,689.62	6.83

[fol. 3201] American Telephone and Telegraph Company

Year 1927

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Capital Stock	$1,093,242,000.00	$97,379,934.00	8.91
Capital Stock Premiums	58,818,404.81	0	
Total	1,152,060,404.81	97,379,934.00	8.45
Surplus Unappropriated and Appropriated	199,229,820.85	0	
Total	1,351,290,225.66	97,379,934.00	7.21
Capital Stock Installments	36,193,644.77	2,503,986.53	6.92
Funded Debt	358,438,455.78	19,970,018.58	5.57
Loans from Associated Companies	5,324,906.63	313,104.51	5.88
Notes Payable to Pension Fund Trustees	3,468.18	190.75	5.50
Total	$1,751,250,701.02	$120,167,234.37	6.86

[fol. 3202] American Telephone and Telegraph Company

Year 1928

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Capital Stock	$1,182,374,500.00	$103,821,439.95	8.78
Capital Stock Premiums	64,125,716.80	0	
Total	1,246,500,216.80	103,821,439.95	8.33
Surplus Unappropriated and Appropriated	287,300,618.04	0	
Total	1,533,800,834.84	103,821,439.95	6.77
Capital Stock Installments	44,209,630.21	2,989,456.47	6.76
Funded Debt	356,824,082.11	19,861,971.20	5.57
Loans from Associated Companies	1,541,483.67	90,639.24	5.88
Notes Payable to Pension Fund Trustees	2,637,250.91	145,048.80	5.50
Total	$1,939,013,281.74	$126,908,555.66	6.55

[fol. 3203] American Telephone and Telegraph Company

Year 1929

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Capital Stock	$1,311,374,600.00	$116,378,771.00	8.87
Capital Stock Premiums	67,883,544.55	0	
Total	1,379,258,144.55	116,378,771.00	8.44
Surplus Unappropriated and Appropriated	330,342,670.78	0	
Total	1,709,600,815.33	116,378,771.00	6.81
Capital Stock Installments	61,546,239.25	4,294,009.67	6.98
Funded Debt	428,159,082.87	23,060,237.22	5.39
Loans from Associated Companies	2,271,897.20	132,732.00	5.84
Loans from Bankers	508,333.27	27,958.33	5.50
Notes Payable to Pension Fund Trustees	8,752,188.30	481,370.36	5.50
Total	$2,210,838,556.22	$144,375,978.58	6.53

[fol. 3204] American Telephone and Telegraph Company

Year 1930

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid Per Cent
Capital Stock	$1,585,669,600.00	$139,238,073.39	8.78
Capital Stock Premiums	207,419,729.56	0	
Total	1,793,089,329.56	139,238,073.39	7.77

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid, Per Cent
Surplus Unappropriated and Appropriated	366,311,399.47	0	
Total	2,159,400,729.03	139,238,073.39	6.45
Capital Stock Installments	83,494,025.66	5,695,443.27	6.82
Funded Debt	481,799,323.05	25,472,548.21	5.29
Loans from Associated Companies	9,808,864.11	576,761.21	5.88
Loans from Bankers	1,828,472.20	93,611.11	5.12
Notes Payable to Pension Fund Trustees	10,293,382.73	566,136.05	5.50
Total	$2,746,624,796.78	$171,642,573.24	6.25

[fol. 3205] American Telephone and Telegraph Company

Year 1931

Average Cost of Funds Used in Business

	Average Amount for Year	Dividends, Interest and Amortization Charges	Average Rate Paid Per Cent
Capital Stock	$1,841,946,100.00	$163,588,474.25	8.88
Capital Stock Premiums	264,305,434.03	0	
Total	2,106,251,534.03	163,588,474.25	7.77
Surplus Unappropriated and Appropriated	381,265,755.21	0	
Total	2,487,517,289.24	163,588,474.25	6.58
Capital Stock Installments	96,546,858.33	6,164,026.40	6.38
Funded Debt	435,139,236.30	24,354,243.29	5.60
Loans from Associated Companies	13,028,434.86	766,071.97	5.88
Notes Payable to Pension Fund Trustees	11,949,076.18	657,199.19	5.50
Total	$3,044,180,894.91	$195,530,015.10	6.42

[fol. 3206] EXHIBIT A-165

American Telephone and Telegraph Company

Average Cost of Funds

Year	Average Rate Paid Per Cent: Including Surplus (Used in Estimate of Costs)	Average Rate Paid Per Cent: Excluding Surplus (Not used in Estimate of Costs)
1923	6.87	7.61
1924	6.85	7.56
1925	6.93	7.60
1926	6.83	7.61
1927	6.86	7.74
1928	6.55	7.68
1929	6.53	7.68
1930	6.25	7.21
1931	6.42	7.34

[fol. 3207]

EXHIBIT A-166

American Telephone and Telegraph Company

Allocation to Chicago Area of Cost of Carrying Investment in Telephone Instruments Used in Rendering License Contract Services, Years 1923–1927

	Total Cost (1)	Allocated to Long Lines (2) % of Col. (1) *	Allocated to Long Lines (2) Amount	Balance Associated Companies (3)	Allocated to Chicago Area (4) % of Col. (3) *	Allocated to Chicago Area (4) Amount
1923—Total Investment	$31,329,013					
Depreciation Reserve	15,010,382					
Net	16,318,631					
Carrying Charges (6.87%)	$1,121,090	.06	$673	$1,120,417	6.6	$73,948
1924—Total Investment	$35,531,884					
Depreciation Reserve	16,611,453					
Net	18,920,431					
Carrying Charges (6.85%)	1,296,050	.06	778	1,295,272	6.5	84,193
1925—Total Investment	$39,373,616					
Depreciation Reserve	18,387,618					
Net	20,985,998					
Carrying Charges (6.93%)	1,454,330	.05	727	1,453,603	6.5	94,484
1926—Total Investment	$43,403,336					
Depreciation Reserve	20,304,999					
Net	23,098,337					
Carrying Charges (6.83%)	1,577,616	.05	789	1,576,827	6.5	102,494
1927—Total Investment	$42,848,662					
Depreciation Reserve	20,441,625					
Net	22,407,037					
Carrying Charges (6.86%)	1,537,123	.06	922	1,536,201	6.6	101,389
Total	$6,986,209	x x	$3,889	$6,982,320	x x	$456,508

* Allocated to the Long Lines and the Chicago Area on the basis of instruments charged June 30.

(Here follows Exhibit A-167, side folios 3208 and 3209.)

EXHIBIT A-167

American Telephone and Telegraph Company

Allocation to Chicago Area of Cost (Net) of Carrying Investment in Real Estate, Office Furniture, etc., Used in Rendering License Contract Services, Years 1923-1931

		Total Cost (1)	"Non-License" (2)	Balance Associated Companies and Long Lines (3)	Allocated to Long Lines (4) Per Cent of Col. (3)*	Allocated to Long Lines (4) Amount	Balance Associated Companies (5)	Allocated to Chicago Area (6) Per Cent of Col. (5)*	Allocated to Chicago Area (6) Amount
1923:									
Total Investment	$12,846,612								
Depreciation Reserve	340,806								
Net	12,505,806								
Carrying Charges (6.87%)	859,149								
Rent	638,374								
Net Carrying Charges		$220,775	$24,478						
Less amount excluded from statement of "Estimated Costs, etc."		14,147	14,147						
Balance		206,628	10,331	$196,297	5.8	$11,385	$184,912	6.6	$12,204
1924:									
Total Investment	$13,139,457								
Depreciation Reserve	552,502								
Net	12,586,955								
Carrying Charges (6.85%)	862,206								
Rent	751,174								
Net Carrying Charges		111,032	20,125						
Less amount excluded from statement of "Estimated Costs, etc."		15,340	15,340						
Balance		95,692	4,785	90,907	5.5	5,000	85,907	6.4	5,498

EXHIBIT A-167—Continued

American Telephone and Telegraph Company

Allocation to Chicago Area of Cost (Net) of Carrying Investment in Real Estate, Office Furniture, etc., Used in Rendering License Contract Services, Years 1923–1931

1925:									
Total Investment	$12,316,977								
Depreciation Reserve	717,193								
Net	11,599,784								
Carrying Charges (6.93%)	803,865								
Rent	625,548								
Net Carrying Charges		$178,317	$23,131						
Less amount excluded from statement of "Estimated Costs, etc."		14,963	14,963						
Balance		163,354	8,168	$155,186	5.4	$8,380	$146,806	6.3	$9,249
1926:									
Total Investment	$1,025,078								
Depreciation Reserve	413,538								
Net	611,540								
Carrying Charges (6.83%)	41,768								
Net Carrying Charges		41,768	4,942						
Less amount excluded from statement of "Estimated Costs, etc."		3,004	3,004						
Balance		38,764	1,938	36,826	5.5	2,025	34,801	6.3	2,192

1927:									
Total Investment	$1,114,605								
Depreciation Reserve	459,094								
Net	655,511								
Carrying Charges (6.86%)	44,968								
Net Carrying Charges		44,968	2,630						
Less amount excluded from statement of "Estimated Costs, etc."		402	402						
Balance		44,566	2,228	42,338	5.9	2,498	39,840	6.3	2,510
[fol. 3209]									
1928:									
Total Investment	$1,252,659								
Depreciation Reserve	517,083								
Net	735,576								
Carrying Charges (6.55%)	48,180								
Net Carrying Charges		$48,180	$2,796						
Less amount excluded from statement of "Estimated Costs, etc."		407	407						
Balance		47,773	2,389	$45,384	6.6	$2,995	$42,389	6.3	$2,671
1929:									
Total Investment	$1,353,336								
Depreciation Reserve	568,257								
Net	785,079								
Carrying Charges (6.53%)	51,266								
Net Carrying Charges		51,266	3,450						
Less amount excluded from statement of "Estimated Costs, etc."		933	933						
Balance		50,333	2,517	47,816	7.4	3,538	44,278	6.3	2,790

EXHIBIT A-167—Continued

		Total Cost (1)	"Non-License" (2)	Balance Associated Companies and Long Lines (3)	Allocated to Long Lines (4) Per cent of Col. (3)*	Allocated to Long Lines (4) Amount	Balance Associated Companies (5)	Allocated to Chicago Area (6) Per Cent of Col. (5)*	Allocated to Chicago Area (6) Amount
1930:									
Total Investment	$1,482,219								
Depreciation Reserve	594,306								
Net	887,913								
Carrying Charges (6.25%)	55,494								
Net Carrying Charges		55,494	4,249						
Less amount excluded from statement of "Estimated Costs, etc."		1,552	1,552						
Balance		53,942	2,697	51,245	7.9	4,048	47,197	6.2	2,926
1931:									
Total Investment	$1,592,136								
Depreciation Reserve	662,570								
Net	929,566								
Carrying Charges (6.42%)	59,678								
Net Carrying Charges		59,678	4,068						
Less amount excluded from statement of "Estimated Costs, etc."		1,141	1,141						
Balance		$58,537	$2,927	$55,610	7.7	$4,282	$51,328	6.1	$3,131

* Allocated:
To the Long Lines on the basis of the composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To the Chicago Area on the basis of the composite ratio of above factors plus stations.

[fol. 3210]

EXHIBIT A-168

American Telephone and Telegraph Company

Allocation to Chicago Area of Cost (Net) of Carrying Investment in Physical Property Used in Rendering License Contract Services, Years 1923–1931

	Total Cost (1)	Deductions for "Non-License" Items (2)	Balance Associated Companies and Long Lines (3)	Allocated to Long Lines (4)		Balance Associated Companies (5)	Allocated to Chicago Area (6)	
				% of Col. (3)	Amount		% of Col. (5)	Amount
Telephones*								
1923	$1,121,090	$ 0	$1,121,090	.06	$673	$1,120,417	6.6	$73,948
1924	1,296,050	0	1,296,050	.06	778	1,295,272	6.5	84,193
1925	1,454,330	0	1,454,330	.05	727	1,453,603	6.5	94,484
1926	1,577,616	0	1,577,616	.05	789	1,576,827	6.5	102,494
1927	1,537,123	0	1,537,123	.06	922	1,536,201	6.6	101,389
Total	$6,986,209	$ 0	$6,986,209	x x	$3,889	$6,982,320	x x	$456,508
Real Estate, Office Furniture, etc. †								
1923	$206,628	$10,331	$196,297	5.8	$11,385	$184,912	6.6	$12,204
1924	95,692	4,785	90,907	5.5	5,000	85,907	6.4	5,498
1925	163,354	8,168	155,186	5.4	8,380	146,806	6.3	9,249
1926	38,764	1,938	36,826	5.5	2,025	34,801	6.3	2,192
1927	44,566	2,228	42,338	5.9	2,498	39,840	6.3	2,510
1928	47,773	2,389	45,384	6.6	2,995	42,389	6.3	2,671
1929	50,333	2,517	47,816	7.4	3,538	44,278	6.3	2,790
1930	53,942	2,697	51,245	7.9	4,048	47,197	6.2	2,926
1931	58,537	2,927	55,610	7.7	4,282	51,328	6.1	3,131
Total	$759,589	$37,980	$721,609	x x	$44,151	$677,458	x x	$43,171

EXHIBIT A-168—Continued

American Telephone and Telegraph Company

Allocation to Chicago Area of Cost (Net) of Carrying Investment in Physical Property Used in Rendering License Contract Services, Years 1923–1931

Total Physical Property								
1923	$1,327,718	$10,331	$1,317,387	x x	$12,058	$1,305,329	x x	$86,152
1924	1,391,742	4,785	1,386,957	x x	5,778	1,381,179	x x	89,691
1925	1,617,684	8,168	1,609,516	x x	9,107	1,600,409	x x	103,733
1926	1,616,380	1,938	1,614,442	x x	2,814	1,611,628	x x	104,686
1927	1,581,689	2,228	1,579,461	x x	3,420	1,576,041	x x	103,899
1928	47,773	2,389	45,384	x x	2,995	42,389	x x	2,671
1929	50,333	2,517	47,816	x x	3,538	44,278	x x	2,790
1930	53,942	2,697	51,245	x x	4,048	47,197	x x	2,926
1931	58,537	2,927	55,610	x x	4,282	51,328	x x	3,131
Total	$7,745,798	$37,980	$7,707,818	x x	$48,040	$7,659,778	x x	$499,679

* Allocated to the Long Lines and the Chicago Area on the basis of Instruments charged June 30th.

† Allocated:
To the Long Lines on the basis of the composite ratio of Plant, Employees, Expenses and Total Telephone Revenues.
To the Chicago Area on the basis of the composite ratio of above factors plus stations.

(Here follows Exhibit A-169, side folios 3211 and 3212)

[fol. 3211]

EXHIBIT A-169

American Telephone and Telegraph Company

Average Funds Held Available by American Tel. and Tel. Co. to Meet Current Cash Requirements of A. Associated Companies and Long Lines Department (American Tel. and Tel. Co.), and B. American Telephone and Telegraph Company (for General Purposes)

Year	Average Total Amount Held Available During Year (1)	Average Amount (Estimated) held to meet needs of: American Tel. and Tel. Co. (General Purposes) (2) Amount	% of Col. (1)	Associated Companies and Long Lines Department (A. T. and T. Co.) (3)	Long Lines (4) % of Col. (3)†	Amount	Associated Companies (5)	Allocation to Chicago Area (6) % of Col. (5)†	Amount
1923	$77,179,633	$5,000,000	6.5	$72,179,633	6.2	$4,475,137	$67,704,496	4.3	$2,911,293
1924	77,848,514	5,500,000	7.1	72,348,514	5.5	3,979,168	68,369,346	4.4	3,008,251
1925	88,309,945	6,000,000	6.8	82,309,945	5.4	4,444,737	77,865,208	5.2	4,048,991
1926	88,160,031	6,500,000	7.4	81,660,031	7.9	6,451,142	75,208,889	5.6	4,211,698
1927	74,330,302	7,000,000	9.4	67,330,302	9.7	6,531,039	60,799,263	6.4	3,891,153
1928	102,175,926	7,500,000	7.3	94,675,926	12.3	11,645,139	83,030,787	6.5	5,397,001
1929	71,830,584	*15,000,000	20.9	56,830,584	15.3	8,695,079	48,135,505	4.9	2,358,640
1930	270,650,760	*159,000,000	58.7	111,650,760	16.6	18,534,026	93,116,734	5.1	4,748,953
1931	328,633,154	*237,650,588	*72.3	90,982,566	14.7	13,374,437	77,608,129	4.7	3,647,582

* Includes provision to meet allotment requirements of Western Electric Company. The amount shown for the year 1929 has been increased $6,500,000 over estimate used in preparing basic statement of license service costs.

† Composite ratio of Estimated Requirements, Plant Investment and Gross Additions.

[fol. 3212]

American Telephone and Telegraph Company

Allocation to Chicago Area of Estimated Cost of Holding Funds Available, Years 1923 to 1931

	Total Cost of Funds Held Available (1)	Allocated to A. T. and T. Co. General Purposes (2)		Associated Companies and Long Lines (Col. (1) Less Col. (2)) (3)	Long Lines (4)		Associated Companies (5)	Chicago Area (6)	
		% of Col. (1)*	Amount		% of Col. (3)†	Amount		% of Col. (5)†	Amount
1923	$2,593,245	6.5	$168,561	$2,424,684	6.2	$150,330	$2,274,354	4.3	$97,797
1924	2,878,183	7.1	204,351	2,673,832	5.5	147,061	2,526,771	4.4	111,178
1925	3,720,562	6.8	252,998	3,467,564	5.4	187,248	3,280,316	5.2	170,576
1926	3,372,690	7.4	249,579	3,123,111	7.9	246,726	2,876,385	5.6	161,078
1927	2,795,555	9.4	262,782	2,532,773	9.7	245,679	2,287,094	6.4	146,374
1928	2,846,036	7.3	207,761	2,638,275	12.3	324,508	2,313,767	6.5	150,395
1929	1,340,367	20.9	280,137	1,060,230	15.3	162,215	898,015	4.9	44,003
1930	10,047,325	58.7	5,897,780	4,149,545	16.6	688,824	3,460,721	5.1	176,497
1931	13,233,846	72.3	9,568,071	3,665,775	14.7	538,869	3,126,906	4.7	146,965

* Per Cent of total cash allocated as available for A. T. and T. Co.—General purposes.

† Composite ratio of Estimated Requirements, Plant Investment and Gross Additions.

• Includes provision to meet allotment requirements of Western Electric Co. The amount shown for the year 1929 reflects cost due to increase of $6,500,000 in requirements for general purposes over estimate used in preparing basic statement of license service costs.

[fol. 3213]

EXHIBIT A-170

American Telephone and Telegraph Company

Compilation of Costs Incurred in Rendering License Contract Services and Amounts Thereof Allocated to Chicago Area as Shown in Exhibits A-103, 108, 117, 124, 152 to 162 and 164 to 169, Incl.*

	1923			1924		
	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
1. Costs of Rendering License Contract Services:						
Departmental:						
Development and Research	$2,883,039	$145,000	A 117	$3,120,276	$151,000	A 117
Operaton & Engineering	2,550,709	157,340	A 103 and A 108	2,688,340	161,066	A 103 and A 108
Operation—General	241,740	12,525	A 159	241,069	11,952	A 159
Personnel	598,542	37,620	A 152	515,465	31,974	A 152
Information	634,338	37,485	A 124	694,427	40,063	A 124
Public Relations				21,878	1,323	A 153
Legal	759,191	42,908	A 160	746,667	41,826	A 160
Comptroller	972,573	57,443	A 155	1,070,737	61,520	A 155
Treasurer	954,861	55,804	A 154	1,258,097	71,524	A 154
Secretary	58,555	3,403	A 156	63,720	3,599	A 156
General Service Bureau	283,108	16,721	A 158	331,265	19,033	A 158
Sundry Items (including Administration)	741,416	38,298	A 157	676,084	37,811	A 157
a) Total Departmental Costs	10,678,072	604,547		11,428,025	632,691	
b) Instrument Maintenance	3,219,594	212,366	A 162	3,719,626	241,631	A 162
c) Taxes	2,982,657	211,518	A 161	3,537,701	219,595	A 161
d) Cost (net) of Carrying Investment in Physical Property used in Rendering License Contract Services	1,327,718	86,152	A 168	1,391,742	89,691	A 168

* These costs do not include any amount for contingencies.

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EXHIBIT A-170—Continued

American Telephone and Telegraph Company

Compilation of Costs Incurred in Rendering License Contract Services and Amounts Thereof Allocated to Chicago Area as Shown in Exhibits A 103, 108, 117, 124, 152 to 162 and 164 to 169, Incl.*

	1923			1924		
	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
e) Cost (net) Incurred in Holding Funds Available during year to meet Cash Requirements of Licensee Companies	$2,593,245	$97,797	A 169	$2,878,183	$111,178	A 169
f) Cost (net) of Temporary Financing	1,535,913	.....	.....	2,260,603	.....	.....
g) Total	22,337,199	1,212,380	.....	25,215,880	1,294,786	.....
h) Deduction for "Non-License" Expenses**	772,806#	(See Note #)	(From Exhibits listed above)	751,888#	(See Note #)	(From Exhibits listed above)
i) Total Costs	21,564,393	1,212,380	.....	24,463,992	1,294,786	.....
Average Cost of Funds During Year (Per Cent)	6.87	.....	A 164	6.85	.....	A 164

* These costs do not include any amount for contingencies.

** This item comprises costs incurred for services other than those which benefit the Associated Companies and Long Lines.

No part of the figures $772,806 for 1923 and $751,888 for 1924 belongs in Column (b) because the amounts aggregating those sums have been taken out before prorating to Chicago Area.

[fol. 3214]

	1925			1926		
	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
1. Costs of Rendering License Contract Services:						
Departmental:						
Development and Research	$3,601,273	$167,000	A 117	$4,314,518	$207,000	A 117
Operation & Engineering	2,963,159	177,718	A 103 and A 108	3,301,306	197,583	A 103 and A 108
Operation—General	243,589	11,659	A 159	271,875	13,059	A 159
Personnel	603,523	37,968	A 152	707,960	45,696	A 152
Information	740,464	46,066	A 124	857,320	51,430	A 124
Public Relations	27,751	1,654	A 153	27,365	1,629	A 153
Legal	780,265	40,304	A 160	750,600	38,612	A 160
Comptroller	1,176,720	66,624	A 155	1,306,614	73,899	A 155
Treasurer	944,914	52,936	A 154	1,381,752	77,327	A 154
Secretary	62,868	3,301	A 156	66,123	3,679	A 156
General Service Bureau	363,483	20,580	A 158	427,692	24,189	A 158
Sundry Items (including Administration)	746,357	42,082	A 157	754,735	42,317	A 157
a) Total Departmental Costs	12,254,366	668,092	.....	14,167,860	776,420	.....
b) Instrument Maintenance	4,261,771	276,877	A 162	4,953,961	321,846	A 162
c) Taxes	3,955,659	248,404	A 161	3,408,795	167,991	A 161
d) Cost (net) of Carrying Investment in Physical Property used in Rendering License Contract Services	1,617,684	103,733	A 168	1,616,380	104,686	A 168

EXHIBIT A-170—Continued

American Telephone and Telegraph Company

Compilation of Costs Incurred in Rendering License Contract Services and Amounts Thereof Allocated to Chicago Area as Shown in Exhibits A 103, 108, 117, 124, 152 to 162 and 164 to 169, Incl.*

	1927			1926		
	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
e) Cost (net) Incurred in Holding Funds Available during year to meet Cash Requirements of Licensee Companies	$3,720,562	$170,576	A 169	$3,372,690	$161,078	A 169
f) Cost (net) of Temporary Financing	2,606,279	0		2,095,365		
g) Total	28,416,321	1,467,682		29,615,051	1,532,021	
h) Deduction for "Non-License" Expenses**	$864,890*	(See Note *)	(From Exhibits listed above)	942,486*	(See Note *)	(From Exhibits listed above)
i) Total Costs	27,551,431	1,467,682		28,672,565	1,532,021	
Average Cost of Funds During Year (Per Cent)	6.93		A 164	6.83		A 164

* These costs do not include any amount for contingencies.

** This item comprises costs incurred for services other than those which benefit the Associated Companies and Long Lines.

* No part of the figures $864,890 for 1925 and $942,486 for 1926 belongs in Column (b) because the amounts aggregating those sums have been taken out before prorating to Chicago Area.

[fol.3215]

	1927			1928		
	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
1. Costs of Rendering License Contract Services:						
Departmental:						
Development and Research	$5.389.315	$254.000	A 117	$5.551.381	$259.000	A 117
Operation & Engineering	3.562.940	212.344	A 103 and A 108	3.813.983	229.449	A 103 and A 108
Operation—General	265.671	12.393	A 159	286.718	13.640	A 159
Personnel	938.415	57.877	A 152	924.418	58.382	A 152
Information	789.697	46.521	A 124	1.033.998	61.173	A 124
Public Relations	27.471	1.629	A 153	27.878	1.640	A 153
Legal	796.734	41.444	A 160	1.029.330	53.349	A 160
Comptroller	1.412.231	79.535	A 155	1.484.471	82.981	A 155
Treasurer	1.103.130	61.473	A 154	1.648.226	91.166	A 154
Secretary	63.634	3.523	A 156	68.463	3.766	A 156
General Service Bureau	440.925	24.832	A 158	466.002	26.049	A 158
Sundry Items (including Administration)	876.924	49.007	A 157	777.082	42.738	A 157
a) Total Departmental Costs	15.667.287	844.578		17.111.950	923.333	
b) Instrument Maintenance	5.217.807	344.169	A 162			
c) Taxes	3.340.070	161.718	A 161	1.671.872	61.328	A 161
d) Cost (net) of Carrying Investment in Physical Property used in Rendering License Contract Services	1.581.689	103.899	A 168	47.773	2.671	A 168

EXHIBIT A-170—Continued

American Telephone and Telegraph Company

Compilation of Costs Incurred in Rendering License Contract Services and Amounts Thereof Allocated to Chicago Area as Shown in Exhibits A 103, 108, 117, 124, 152 to 162 and 164 to 169, Incl.*

		1927			1928		
		Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
e)	Cost (net) Incurred in Holding Funds Available during year to meet Cash Requirements of Licensee Companies†	$2,795,555	$146,374	A 169	$2,846,036	$150,395	A 169
f)	Cost (net) of Temporary Financing†	1,839,609			1,051,430		
g)	Total	30,442,017	1,600,738		22,729,061	1,137,727	
h)	Deduction for "Non-License" Expenses**	859,528#	(See Note #)	(From Exhibits listed above)	907,149#	(See Note #)	(From Exhibits listed above)
i)	Total Costs	29,582,489	1,600,738		21,821,912	1,137,727	
	† Average Cost of Funds During Year (Per Cent).	6.86		A 164	6.55		A 164

* These costs do not include any amount for contingencies.

** This item comprises costs incurred for services other than those which benefit the Associated Companies and Long Lines.

\# No part of the figures $859,528 for 1927 and $907,149 for 1928 belongs in Column (b) because the amounts aggregating those sums have been taken out before prorating to Chicago Area.

[fol. 3216]

	1929			1931		
	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
1. Costs of Rendering License Contract Services:						
Departmental:						
Development and Research	$7.048.714	$330.000	A 117	$9.618.267	$435.000	A 117
Operation & Engineering	4.102.105	240.601	A 103 and A 108	4.340.568	244.652	A 103 and A 108
Operation—General	317.727	14.558	A 159	341.080	14.441	A 159
Personnel	1.056.306	63.098	A 152	1.100.273	64.902	A 152
Information	1.347.170	83.708	A 124	1.351.611	81.486	A 124
Public Relations	35.741	2.093	A 153	49.467	2.835	A 153
Legal	692.727	35.103	A 160	967.031	49.593	A 160
Comptroller	1.566.822	86.835	A 155	1.704.662	92.472	A 155
Treasurer	1.591.063	87.250	A 154	2.499.674	134.172	A 154
Secretary	69.348	3.778	A 156	68.384	3.644	A 156
General Service Bureau	508.045	28.156	A 158	555.152	30.115	A 158
Sundry Items (including Administration)	803.927	44.555	A 157	1.015.566	41.481	A 157
a) Total Departmental Costs	19.139.695	1.019.735		23.611.735	1.194.793	
b) Instrument Maintenance						
c) Taxes	1.018.102	25.166	A 161	988.898	22.289	A 161
d) Cost (net) of Carrying Investment in Physical Property used in Rendering License Contract Services	50.333	2.790	A 168	53.942	2.926	A 168

EXHIBIT A-170—Continued

American Telephone and Telegraph Company

Compilation of Costs Incurred in Rendering License Contract Services and Amounts Thereof Allocated to Chicago Area as Shown in Exhibits A 103, 108, 117, 124, 152 to 162 and 164 to 169, Incl.*

	1929			1930		
	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
e) Cost (net) Incurred in Holding Funds Available during year to meet Cash Requirements of Licensee Companies†	$1,340,367	$44,003	A 169	$4,149,545	$176,497	A 169
f) Cost (net) of Temporary Financing†	2,452,536	.....	.....	1,137,450	.....	.....
g) Total	24,001,033	1,091,694	.....	29,941,570	1,396,505	.....
h) Deduction for "Non-License" Expenses**	1,050,628*	(See Note *)	(From Exhibits listed above)	1,152,350*	(See Note *)	(From Exhibits listed above)
i) Total Costs	22,950,405	1,091,694	.....	28,789,220	1,396,505	.....
†Average Cost of Funds During Year (Per Cent)	6.53	.....	A 164	6.25	.....	A 164

*These costs do not include any amount for contingencies.

**This item comprises costs incurred for services other than those which benefit the Associated Companies and Long Lines.

* No part of the figures $1,050,628 for 1929 and $1,152,350 for 1930 belongs in Column (b) because the amounts aggregating those sums have been taken out before prorating to Chicago Area.

[fol. 3217] American Telephone and Telegraph Company

Compilation of Costs Incurred in Rendering License Contract Services and Amounts Thereof Allocated to Chicago Area as Shown in Exhibits A 103, 108, 117, 124, 152 to 162 and 164 to 169, Incl.*

	1931		
	Total Costs Incurred by American Co. (a)	Amounts of Costs in Col. (a) Allocated to Chicago Area (b)	Reference to Exhibit in Record (c)
1. Costs of Rendering License Contract Services:			
Departmental:			
Development and Research	$8,873,209	$398,000	A 117
Operation & Engineering	4,234,967	238,958	
Operation—General	327,647	12,862	A 159
Personnel	1,080,695	61,523	A 152
Information	1,307,480	77,301	A 124
Public Relations	38,439	2,175	A 153
Legal	915,625	46,407	A 160
Comptroller	1,692,075	90,505	A 155
Treasurer	1,652,282	87,447	A 154
Secretary	56,343	2,960	A 156
General Service Bureau	517,808	27,696	A 158
Sundry Items (including Administration)	751,771	37,536	A 157
a) Total Departmental Costs	21,448,341	1,083,370	
b) Instrument Maintenance	.....	.....	.....
c) Taxes	1,537,360	51,412	A 161
d) Cost (net) of Carrying Investment in Physical Property used in Rendering License Contract Services¢	58,537	3,131	A 168
e) Cost (net) Incurred in Holding Funds Available during year to meet Cash Requirements of Licensee Companies¢	3,665,775	146,965	A 169
f) Cost (net) of Temporary Financing¢	1,709,528	.....	.....
g) Total	28,419,541	1,284,878	.....
h) Deduction for "Non-License" Expenses**	750,011Y	(See Note Y)	(From Exhibits listed above)
i) Total Costs	27,669,530	1,284,878	
¢ Average Cost of Funds During Year (Per Cent)	6.42		A 164

* These costs do not include any amount for contingencies.

** This item comprises costs incurred for services other than those which benefit the Associated Companies and Long Lines.

Y No part of the figure $750,011 for 1931 belongs in Column (b) because the amounts aggregating that sum have been taken out before prorating to Chicago Area.

[fol. 3218]

EXHIBIT A-171

American Telephone and Telegraph Company

Royalties Received from Western Electric Company, Incorporated, Electrical Research Products, Incorporated, and Others, Years 1923-1931

	1923	1924	1925	1926	1927	1928	1929	1930	1931	Total
Royalties Received by E.R.P.I. (assignee of W.E.Co.) and Portion thereof paid to A. T. and T. Co	$.....	$.....	$42,923	$93,645	$198,087	$206,970	$304,861	$592,270	$959,450	$2,398,206
Sales by Graybar Electric Company of close talking microphones	.....	.....	.....	.....	.....	.....	.....	.....	240	240
Sales by Western Electric Company of Restricted Apparatus	94,977	67,677	82,797	77,417	203,223	218,298	899,934	514,653	161,808	2,320,784
Miscellaneous Royalties	.....	.....	.....	.....	1,167	579	2,080	3,232	14,057	21,115
Total	94,977	67,677	125,720	171,062	402,477	425,847	1,206,875	1,110,155	1,135,555	4,740,345
Patent Receipts	.....	.....	5,239	.....	33,489	16,250	11,775	20,000	.....	86,753
License Fees for Radio Broadcasting	2,500	45,859	81,557	89,919	104,461	63,796	14,451	500*	.....	402,043
Total	$97,477	$113,536	$212,516	$260,981	$540,427	$505,893	$1,233,101	$1,129,655	$1,135,555	$5,229,141

*Red figure.

[fol. 3219] EXHIBIT A–172

American Telephone and Telegraph Company

Capital Stock

(a) Sold to American Bell Telphone Company:

When Issued:	Par Value	Consideration	Premium
1885–1896	$17,500,000	$17,500,000	$0
1895	2,500,000	Franchise	0
1889–1900	12,110,400	12,110,400	0
1889–1900	51,772,600	258,863 shares of American Bell Tel. Co. stock having book value of about $228 per share	0
Total of above	$83,883,000	$83,883,000	0
(b) Sold to Others:			
1900–1931			
Issued in conversion of bonds—			
Convertible 4s 1936	$110,751,900	$146,935,391	$36,183,491
Convertible 4½s 1933	60,894,300	73,073,160	12,178,860
Convertible 4½s 1939	206,189,700	371,045,041	164,855,341
Convertible 6s 1925	49,116,200	52,063,172	2,946,972
	426,952,100	643,116,764	216,164,664
Exchanged on basis of 4 shares for 5 for Bell Telephone Company of Pennsylvania stock. (1918) A. T. & T. Co. $125 Bell of Pa. $100	6,000,000	7,500,000	1,500,000
Issued in exchange for common stock of Teletype Corporation (1930)	15,000,000	30,000,000	15,000,000
Issued under circular offers to stockholders (1900–1931)			
Through subscription	1,135,113,900	1,135,118,993	5,093
Unsubscribed sold	13,862,700	18,874,001	5,011,301
	1,148,976,600	1,153,992,994	5,016,394
Issued under Employees' Stock Plans (1921–1931)	185,024,400	215,911,927	30,887,527
	$1,865,836,100	$2,134,404,685	$268,568,585

[fol. 3220] EXHIBIT A–180

Statement #1

Estimated Annual Additional Cost to the Illinois Bell Telephone Company if All of Its Capital Stock Had Been Held by the Public Instead of Chiefly by the American Telephone and Telegraph Company

Year	1 Estimated No. of Stockholders (based on the Average No. of Shares of A. T. & T. Co. Stock held by Residents of Illinois)	2 Average Shares Per Stock-holder	3 Additional Cost of Maintaining Record of Stock-holders, Transferring Stock, Paying Dividends, Etc.*	4 Handling Stock Issues	5 Total
1923	43,000	15	$71,000	$64,000	$135,000
1924	46,000	15	76,000	69,000	145,000
1925	51,000	15	84,000	76,000	160,000
1926	59,000	15	97,000	88,000	185,000
1927	68,000	15	112,000	102,000	214,000
1928	77,000	15	127,000	115,000	242,000
1929	85,000	15	141,000	127,000	268,000
1930	94,000	15	156,000	141,000	297,000
1931	100,000	15	166,000	150,000	316,000
Total			$1,030,000	$932,000	$1,962,000

* Present cost of $3,000 per year deducted.

[fol. 3221] EXHIBIT A–181

Statement #2

Estimated Annual Additional Cost to the Illinois Bell Telephone Company If All of Its Capital Stock Had Been Held by the Public Instead of Chiefly by the American Telephone and Telegraph Company

Year	1 Estimated No. of Stockholders (based on the Average No. of Shares now held by A. T. & T. Co. Stockholders)	2 Average Shares Per Stock-holder	3 Additional Cost of Maintaining Record of Stock-holders, Transferring Stock, Paying Dividends, Etc.*	4 Handling Stock Issues	5 Total
1923	21,500	30	$37,000	$32,000	$69,000
1924	23,000	30	39,000	34,000	73,000
1925	25,500	30	44,000	38,000	82,000
1926	29,500	30	51,000	44,000	95,000
1927	34,000	30	58,000	51,000	109,000
1928	38,500	30	66,000	57,000	123,000
1929	42,500	30	73,000	63,000	136,000
1930	47,000	30	81,000	70,000	151,000
1931	50,000	30	86,000	75,000	161,000
Total			$535,000	$464,000	$999,000

* Present cost of $3,000 per year deducted.

[fol. 3222] EXHIBIT A-182

Memorandum of Basis Used in Preparing Statement of Estimated Additional Cost to the Illinois Bell Telephone Company If All of Its Capital Stock Had Been Held by the Public Instead of Chiefly by the American Telephone and Telegraph Company

Column 1.—The estimated number of stockholders on Statement #1 is based on approximately 15 shares per stockholder, which is the average holding of A. T. & T. Company stockholders residing in the State of Illinois.

Statement #2 is based on approximately 30 shares per stockholders, which is about the average number of shares held by all A. T. & T. Company stockholders in recent years.

Column 2.—The basis of the average figures shown in Statements #1 and #2 is as explained under Column 1 above.

Column 3.—The total annual additional cost of maintaining a record of stockholders, transferring stock, paying dividends, etc., is based on the following:

Item	Statement #1 Based on 15 Shares per Stockholder (1931—100,000 Stockholders and 50,000 Transfers Annually)	Statement #2 Based on 30 Shares per Stockholder (1931—50000 Stockholders and 25,000 Transfers Annually)
Annual Audit by outside concern Customary requirement of the Chicago Stock Exchange	$10,000	$10,000
Registrar's Fees for Transfers including forms, postage and office supplies	12,000	6,000
First 500 registrations per year—50¢ each		
Next 4,500 registrations per year—25¢ each		
Next 15,000 registrations per year—20¢ each		
Over 20,000 registrations per year—15¢ each		
Forms, postage and office supplies—extra.		
Transfer Agent's Fees, Including stationery and office supplies	88,000	44,000
Keeping stockholders' accounts—50¢ each		
Issuance of certificates on transfers—30¢ each		
(Does not include cost of certificates)		
New stockholders' accounts due to transfers—25¢ each		
Quarterly lists of stockholders—2½¢ per name		
Stationery and office supplies—extra.		

[fol. 3223]

Cost of Stock Certificates 15¢ per certificate	7,500	3,750
Dividend Payments	40,000	20,000
Maintaining addressing records, imprinting names on checks, filling in amounts of dividends on checks, en-		

Item	Statement #1 Based on 15 Shares per Stockholder (1931—100,000 Stockholders and 50,000 Transfers Annually)	Statement #2 Based on 30 Shares per Stockholder (1931—50,000 Stockholders and 25,000 Transfers Annually)
closing checks in a folder and inserting in envelopes, plus postage, cost of envelopes, checks and folders.		
Annual Notices and Proxies... Cost of forms, envelopes and mailing expense, including postage.	$4,000	$2,000
Annual Reports..... Cost of the reports and mailing expense, including 4¢ postage.	8,000	4,000
Total.....	$169,500	$89,750
Less present cost.....	3,000	3,000
	$166,500	$86,750
Annual additional cost per stockholder.....	$1.66	$1.73

Column 4.—The additional cost of handling stock issues is based on the 900,000 additional shares issued by Illinois Bell Telephone Company during this period of nine years. This is an average of 100,000 additional shares which we would have to offer to stockholders each year. The number of subscriptions by use of rights in normal times average 3/5 of the total number of stockholders receiving warrants and we have used that rate as a base for estimating the number of subscriptions. The cost of issuing warrants, handling remittances, verifying warrants used for subscriptions and issuing stock certificates, etc. would be $3.00 per subscription if the work were done by a bank. We have used $2.50 which is based on the following:

[fol. 3224] Handling Stock Issues

1. Cost of Warrants 2 at 15c each.....		.30
2. Issuing Warrants 2 at 30¢ each.....		.60
3. Letter of Explanation of value of Warrants, use of Warrants, etc., envelopes, mailing work and postage.....		.10
4. Registrar's fees:		
(a) Registering Warrant.....	.20	
(b) Cancelling Warrant.....	.10	
		.30
5. Receiving and recording remittances, checking Warrants and keeping installment accounts....		.50
6. Cost of stock certificate.....		.15
7. Issuing stock certificate.....		.30
8. Mailing work and postage on stock certificate.....		.05
9. Registrar's fees (new certificate) average.....		.20
		$2.50

[fol. 3225]

EXHIBIT A-183

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses, and Net Income for the Year 1930

(Using Actual Tax Payments for the Year)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$52,042,219	$1,494,403	$53,536,622	$715,498	$54,252,120
Toll Revenues	.....	4,321,661	4,321,661	7,345,653	11,667,314
Miscellaneous Operating Revenues	1,219,486	.....	1,219,486	6,080	1,225,566
Non-Operating Revenues	232,040	18,076	250,116	23,585	273,701
Gross Revenues	53,493,745	5,834,140	59,327,885	8,090,816	67,418,701
Less Licensee Revenue—Dr.	782,801	81,330	864,131	104,091	968,222
Total Revenues	52,710,944	5,752,810	58,463,754	7,986,725	66,450,479
Traffic Expenses	12,320,929	1,300,952	13,621,881	2,664,532	16,286,413
Commercial Expenses	5,569,642	975,105	6,544,747	435,446	6,980,193
General and Miscellaneous Expenses	2,122,604	205,854	2,328,458	287,892	2,616,350
Current Maintenance	10,859,015	513,843	11,372,858	788,123	12,160,981
Depreciation	7,327,237	525,993	7,853,230	916,656	8,769,886
Taxes	6,393,374	657,050	7,050,424	883,076	*7,943,500
Other Expenses and Deductions	408,700	122,792	531,492	99,621	631,113
Total Expenses	45,001,501	4,311,589	49,313,090	6,075,346	55,388,436
Balance	7,709,443	1,441,221	9,150,664	1,911,379	11,062,043
Net Compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	221,691	.....	221,691	.....	221,691
Balance Available for Return under present rates	$7,931,134	$1,441,221	$9,372,355	$1,911,379	$11,283,734
Less reduction under rates in suit	1,599,053	46,825	1,645,878	20,496	1,666,374
Balance Available for Return under rates in suit	$6,332,081	$1,394,396	$7,726,477	$1,890,883	$9,617,360

* Represents actual taxes paid for the Year 1930 applicable to above operations and is $61 more than the total amount accrued on the books for all taxes during that year.

[fol. 3226]

EXHIBIT A-184

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses, and Net Income for the Year 1930

(Using Actual Tax Payments for the Year)

(Excluding All Overheads on Lands)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$52,042,219	$1,494,403	$53,536,622	$715,498	$54,252,120
Toll Revenues	.....	4,321,661	4,321,661	7,345,653	11,667,314
Miscellaneous Operating Revenues	1,219,486	.....	1,219,486	6,080	1,225,566
Non-Operating Revenues	232,119	18,061	250,180	23,521	273,701
Gross Revenues	53,493,824	5,834,125	59,327,949	8,090,752	67,418,701
Less Licensee Revenue—Dr.	782,801	81,330	864,131	104,091	968,222
Total Revenues	52,711,023	5,752,795	58,463,818	7,986,661	66,450,479
Traffic Expenses	12,320,929	1,300,952	13,621,881	2,664,532	16,286,413
Commercial Expenses	5,569,642	975,105	6,544,747	435,446	6,980,193
General and Miscellaneous Expenses	2,122,604	205,854	2,328,458	287,892	2,616,350
Current Maintenance	10,859,015	513,843	11,372,858	788,123	12,160,981
Depreciation	7,327,286	525,983	7,853,269	916,617	8,769,886
Taxes	6,393,426	666,974	7,060,400	883,100	*7,943,500
Other Expenses and Deductions	408,701	122,792	531,493	99,620	631,113
Total Expenses	45,001,603	4,311,503	49,313,106	6,075,330	55,388,436
Balance	7,709,420	1,441,292	9,150,712	1,911,331	11,062,043
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	221,691	.....	221,691	.....	221,691
Balance Available for Return under present rates	$7,931,111	$1,441,292	$9,372,403	$1,911,331	$11,283,734
Less reduction under rates in suit	1,599,053	46,825	1,645,878	20,496	1,666,374
Balance Available for Return under rates in suit	$6,332,058	$1,394,467	$7,726,525	$1,890,835	$9,617,360

* Represents actual taxes paid for the Year 1930 applicable to above operations and is $61 more than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-185

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return under (a) Present Rates and (b) Rates in Suit for the Year 1930

(Using Actual Tax Payments for the Year)

		Intrastate			Interstate	Total
		Exchange	Toll	Total	Toll	Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$7,931,134	$1,441,221	$9,372,355	$1,911,379	$11,283,734
3	(b) Rates in Suit	6,332,081	1,394,396	7,726,477	1,890,883	9,617,360
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$178,065,680	$14,548,710	$192,614,390	$19,411,123	$212,025,513
5	Construction Work in Progress	3,831,948	303,804	4,135,752	280,013	4,415,765
6	Going Value	28,967,208	2,341,608	31,308,816	3,091,184	34,400,000
7	Total (Lines 4, 5 and 6)	210,864,836	17,194,122	228,058,958	22,782,320	250,841,278
8	Average for the year	206,866,245	16,517,144	223,383,389	21,300,873	244,684,262
9	Average Material and Supplies	176,653	14,280	190,933	18,851	209,784
10	Average Working Cash Capital	3,690,000	360,000	4,050,000	500,000	4,550,000
11	Total (Lines 8, 9 and 10)	$210,732,898	$16,891,424	$227,624,322	$21,819,724	$249,444,046
12	Book Cost of Plant in Service and General Equipment	$161,076,341	$13,020,849	$174,097,190	$17,188,975	$191,286,165
13	Construction Work in Progress	3,831,948	303,804	4,135,752	280,013	4,415,765
14	Total (Lines 12 and 13)	164,908,289	13,324,653	178,232,942	17,468,988	195,701,930
15	Average for the year	161,110,450	12,751,773	173,862,223	16,304,867	190,167,090
16	Average Material and Supplies	176,653	14,280	190,933	18,851	209,784
17	Average Working Cash Capital	3,690,000	360,000	4,050,000	500,000	4,550,000
18	Total (Lines 15, 16 and 17)	$164,977,103	$13,126,053	$178,103,156	$16,823,718	$194,926,874
19	Per Cent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.76%	8.53%	4.12%	8.76%	4.52%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.81%	10.98%	5.26%	11.36%	5.79%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.00%	8.23%	3.30%	8.67%	3.86%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.84%	10.62%	4.34%	11.24%	4.93%

EXHIBIT A-186

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return under (a) Present Rates and (b) Rates in Suit for the Year 1930

(Using Actual Tax Payments for the Year)

(Excluding All Overheads on Lands)

		Intrastate				
		Exchange	Toll	Total	Interstate Toll	Total Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$7,931,111	$1,441,292	$9,372,403	$1,911,331	$11,283,734
3	(b) Rates in Suit	6,332,058	1,394,467	7,726,525	1,890,835	9,617,360
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$177,385,418	$14,468,017	$191,853,435	$19,258,060	$211,111,495
5	Construction Work in Progress	3,831,948	303,804	4,135,752	280,013	4,415,765
6	Going Value	28,981,312	2,338,856	31,320,168	3,079,832	34,400,000
7	Total (Lines 4, 5 and 6)	210,198,678	17,110,677	227,309,355	22,617,905	249,927,260
8	Average for the year	206,186,108	16,438,952	222,625,060	21,151,935	243,776,995
9	Average Material and Supplies	176,739	14,263	191,002	18,782	209,784
10	Average Working Cash Capital	3,690,000	360,000	4,050,000	500,000	4,550,000
11	Total (Lines 8, 9 and 10)	$210,052,847	$16,813,215	$226,866,062	$21,670,717	$248,536,779
12	Book Cost of Plant in Service and General Equipment	$161,154,768	$13,005,546	$174,160,314	$17,125,851	$191,286,165
13	Construction Work in Progress	3,831,948	303,804	4,135,752	280,013	4,415,765
14	Total (Lines 12 and 13)	164,986,716	13,309,350	178,296,066	17,405,864	195,701,930
15	Average for the year	161,177,975	12,738,643	173,916,618	16,250,472	190,167,090
16	Average Material and Supplies	176,739	14,263	191,002	18,782	209,784
17	Average Working Cash Capital	3,690,000	360,000	4,050,000	500,000	4,550,000
18	Total (Lines 15, 16 and 17)	$165,044,714	$13,112,906	$178,157,620	$16,769,254	$194,926,874
19	Per Cent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.78%	8.57%	4.13%	8.82%	4.54%
21	(a) Present Rates based on Average Book Cost (Line 18)	4.81%	10.99%	5.26%	11.40%	5.79%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.01%	8.29%	3.41%	8.73%	3.87%
23	(b) Rates in Suit based on Average Book Cost (Line 18)	3.84%	10.63%	4.34%	11.28%	4.93%

EXHIBIT A-187

Illinois Bell Telephone Company, Chicago Exchange.

Station to Station Separation and Apportionment of Revenues, Expenses, and Net Income, also Rate of Return for the Year 1930

(Using Actual Tax Payments for the Year)

(Depreciation and Amortization of Landed Capital Based on Reproduction Cost New with Related Changes in Federal Income Tax)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Total Revenues	$52,710,944	$5,752,810	$58,463,754	$7,986,725	$66,450,479
Total Current Mtce., Traffic Com'l., General and Miscellaneour Expenses	30,872,190	2,995,754	33,867,944	4,175,993	38,043,937
Depreciation	7,936,822	623,776	8,560,598	1,078,211	9,638,809
Taxes	6,319,303	655,129	6,974,432	863,701	*7,838,133
Other Expenses and Deductions	416,973	123,048	540,021	100,227	640,248
Total Expenses	45,545,288	4,397,707	49,942,995	6,218,132	56,161,127
Balance	7,165,656	1,355,103	8,520,759	1,768,593	10,289,352
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	221,691	.....	221,691	.....	221,691
Balance Available for Return under present rates	7,387,347	1,355,103	8,742,450	1,768,593	10,511,043
Less reduction under rates in suit	1,599,053	46,825	1,645,878	20,496	1,666,374
Balance Available for Return under rates in suit	$5,788,294	$1,308,278	$7,096,572	$1,748,097	$8,844,669
Per Cent of Return under-					
(a) Present Rates based on Avg. Reproduction Cost New Less Depreciation, etc.	3.51%	8.02%	3.84%	8.11%	4.21%
(a) Present Rates based on Average Book Cost	4.48%	10.32%	4.91%	10.51%	5.39%
(b) Rates in Suit based on Avg. Reproduction Cost New Less Depreciation, etc.	2.75%	7.75%	3.12%	8.01%	3.55%
(b) Rates in Suit based on Average Book Cost	3.51%	9.97%	3.98%	10.39%	4.54%

* Represents actual taxes paid for the Year 1930 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $105,306 less than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-188

Illinois Bell Telephone Company, Chicago Exchange

Station to Station Separation and Apportionment of Revenues, Expenses, and Net Income for the Year 1931

(Using Revised Estimate of Taxes for the Year)

	Intrastate			Interstate	Total
	Exchange	Toll	Total	Toll	Chicago
Exchange Revenues	$50,471,229	$1,321,735	$51,792,964	$665,191	$52,458,155
Toll Revenues	18,018	4,112,509	4,130,527	6,951,847	11,082,374
Miscellaneous Operating Revenues	1,050,286		1,050,286	5,730	1,056,016
Non-Operating Revenues	107,177	8,001	115,178	10,528	125,706
Gross Revenues	$51,646,710	$5,442,245	$57,088,955	$7,633,296	$64,722,251
Less Licensee Revenue—Dr.	758,829	75,370	834,199	97,453	931,652
Total Revenues	$50,887,881	$5,366,875	$56,254,756	$7,535,843	$63,790,599
Traffic Expenses	$10,540,816	$1,194,978	$11,735,794	$2,250,640	$13,986,434
Commercial Expenses	5,534,184	955,991	6,490,175	429,970	6,920,145
General and Miscellaneous Expenses	2,445,809	244,230	2,690,039	314,283	3,004,322
Current Maintenance	10,351,339	490,714	10,842,053	704,029	11,546,082
Depreciation	7,558,432	562,703	8,121,135	1,025,133	9,146,268
Taxes	6,714,567	655,225	7,369,792	926,144	*8,295,936
Other Expenses and Deductions	498,678	127,072	625,750	102,517	728,267
Total Expenses	$43,643,825	$4,230,913	$47,874,738	$5,752,716	$53,627,454
Balance	7,244,056	1,135,962	8,380,018	1,783,127	10,163,145
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	236,661		236,661		236,661
Balance Available for Return under present rate	$7,480,717	$1,135,962	$8,616,679	$1,783,127	$10,399,806
Less reduction under rates in suit	1,396,167	37,577	1,433,744	17,120	1,450,864
Balance Available for Return under rates in suit	$6,084,550	$1,098,385	$7,182,935	$1,766,007	$8,948,942

*Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year 1931 applicable to above operations and is $16,787 less than the total amount accrued on the books for all taxes during that year.

[fol. 3231]

EXHIBIT A-189

Illinois Bell Telephone Company, Chicago Exchange
Station to Station Separation and Apportionment of Revenues, Expenses, and Net Income for the Year 1931
(Using Revised Estimate of Taxes for the Year)
(Excluding All Overheads on Lands)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Exchange Revenues	$50,471,229	$1,321,735	$51,792,964	$665,191	$52,458,155
Toll Revenues	18,018	4,112,509	4,130,527	6,951,847	11,082,374
Miscellaneous Operating Revenues	1,050,286	.....	1,050,286	5,730	1,056,016
Non-Operating Revenues	107,210	7,996	115,206	10,500	125,706
Gross Revenues	$51,646,743	$5,442,240	$57,088,983	$7,633,268	$64,722,251
Less Licensee Revenue—Dr.	758,829	75,370	834,199	97,453	931,652
Total Revenues	$50,887,914	$5,366,870	$56,254,784	$7,535,815	$63,790,599
Traffic Expenses	$10,540,816	$1,194,978	$11,735,794	$2,250,640	$13,986,434
Commercial Expenses	5,534,184	955,991	6,490,175	429,970	6,920,145
General and Miscellaneous Expenses	2,445,812	244,230	2,690,042	314,280	3,004,322
Current Maintenance	10,351,339	490,714	10,842,053	704,029	11,546,082
Depreciation	7,558,477	562,696	8,121,173	1,025,095	9,146,268
Taxes	6,714,754	655,265	7,370,019	925,917	*8,295,936
Other Expenses and Deductions	498,676	127,072	625,748	102,519	728,267
Total Expenses	$43,644,058	$4,230,946	$47,875,004	$5,752,450	$53,627,454
Balance	7,243,856	1,135,924	8,379,780	1,783,365	10,163,145
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	236,661	.....	236,661	.....	236,661
Balance Available for Return under present rates	$7,480,517	$1,135,924	$8,616,441	$1,783,365	$10,399,806
Less reduction under rates in suit	1,396,167	37,577	1,433,744	17,120	1,450,864
Balance Available for Return under rates in suit	$6,084,350	$1,098,347	$7,182,697	$1,766,245	$8,948,942

* Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year 1931 applicable to above operations and is $16,787 less than the total amount accrued on the books for all taxes during that year.

EXHIBIT A-190

Illinois Bell Telephone Company, Chicago Exchange

Rate of Return under (a) Present Rates and (b) Rates in Suit for the Year 1931

(Using Revised Estimate of Taxes for the Year)

		Intrastate				
		Exchange	Toll	Total	Interstate Toll	Total Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$7,480,717	$1,135,962	$8,616,679	$1,783,127	$10,399,806
3	(b) Rates in Suit	6,084,550	1,098,385	7,182,935	1,766,007	8,948,942
4	Reproduction Cost New, Less Depreciation of Plant in Service and General Equipment	$176,280,127	$14,433,827	$190,713,954	$19,873,916	$210,587,870
5	Construction Work in Progress	136,008	27,763	163,771	278,185	441,956
6	Going Value	28,540,280	2,310,980	30,851,260	3,148,740	34,000,000
7	Total (Lines 4, 5 and 6)	204,956,415	16,772,570	221,728,985	23,300,841	245,029,826
8	Average for the year	207,910,626	16,983,346	224,893,972	23,041,580	247,935,552
9	Average Material and Supplies	188,393	15,255	203,648	20,785	224,433
10	Average Working Cash Capital	3,450,000	350,000	3,800,000	450,000	4,250,000
11	Total (Lines 8, 9 and 10)	$211,549,019	$17,348,601	$228,897,620	$23,512,365	$252,409,985
12	Book Cost of Plant in Service and General Equipment	$164,041,230	$13,282,842	$177,324,072	$18,098,041	$195,422,113
13	Construction Work in Progress	136,008	27,763	163,771	278,185	441,956
14	Total (Lines 12 and 13)	164,177,238	13,310,605	177,487,843	18,376,226	195,864,069
15	Average for the year	164,542,764	13,317,629	177,860,393	17,922,607	195,783,000
16	Average Material and Supplies	188,393	15,255	203,648	20,785	224,433
17	Average Working Cash Capital	3,450,000	350,000	3,800,000	450,000	4,250,000
18	Total (Lines 15, 16 and 17)	$168,181,157	$13,682,884	$181,864,041	$18,393,392	$200,257,433
19	Per Cent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.54%	6.55%	3.76%	7.58%	4.12%
21	Average Book Cost (Line 18)	4.45%	8.30%	4.74%	9.69%	5.19%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.88%	6.33%	3.14%	7.51%	3.55%
23	Average Book Cost (Line 18)	3.62%	8.03%	3.94%	9.60%	4.47%

[fol. 3233]

EXHIBIT A-191

Illinois Bell Telephone Company, Chicago Exchange
Rate of Return Under (a) Present Rates and (b) Rates in Suit for the Year 1931
(Using Revised Estimate of Taxes for the Year)
(Excluding All Overheads on Lands)

		Intrastate				
		Exchange	Toll	Total	Interstate Toll	Total Chicago
1	Balance Available for Return under					
2	(a) Present Rates	$7,480,517	$1,135,924	$8,616,441	$1,783,365	$10,399,806
3	(b) Rates in Suit	6,084,350	1,098,347	7,182,697	1,766,245	8,948,942
4	Reproduction Cost New Less Depreciation of Plant in Service and General Equipment	$175,653,454	$14,365,476	$190,018,930	$19,729,530	$209,748,460
5	Construction Work in Progress	136,008	27,763	163,771	278,185	441,956
6	Going Value	28,552,520	2,309,280	30,861,800	3,138,200	34,000,000
7	Total (Lines 4, 5 and 6)	204,341,982	16,702,519	221,044,501	23,145,915	244,190,416
8	Average for the year	207,270,330	16,906,598	224,176,928	22,881,910	247,058,838
9	Average Material and Supplies	188,474	15,244	203,718	20,715	224,433
10	Average Working Cash Capital	3,450,000	350,000	3,800,000	450,000	4,250,000
11	Total (Lines 8, 9 and 10)	$210,908,804	$17,271,842	$228,180,646	$23,352,625	$251,533,271
12	Book Cost of Plant in Service and General Equipment	$164,111,582	$13,273,070	$177,384,652	$18,037,461	$195,422,113
13	Construction Work in Progress	136,008	27,763	163,771	278,185	441,956
14	Total (Lines 12 and 13)	164,247,590	13,300,833	177,548,423	18,315,646	195,864,069
15	Average for the year	164,617,153	13,305,092	177,922,245	17,860,755	195,783,000
16	Average Material and Supplies	188,474	15,244	203,718	20,715	224,433
17	Average Working Cash Capital	3,450,000	350,000	3,800,000	450,000	4,250,000
18	Total (Lines 15, 16 and 17)	$168,255,627	$13,670,336	$181,925,963	$18,331,470	$200,257,433
19	Per Cent of Return under					
20	(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	3.55%	6.58%	3.78%	7.64%	4.13%
21	Average Book Cost (Line 18)	4.45%	8.31%	4.74%	9.73%	5.19%
22	(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc. (Line 11)	2.88%	6.36%	3.15%	7.56%	3.56%
23	Average Book Cost (Line 18)	3.62%	8.03%	3.95%	9.64%	4.47%

EXHIBIT A-192

Illinois Bell Telephone Company, Chicago Exchange.

Station to Station Separation and Apportionment of Revenues, Expenses and Net Income, also Rate of Return for the Year 1931

(Using Revised Estimate of Taxes for the Year)

(Depreciation and Amortization of Landed Capital based on Reproduction Cost New with related changes in Federal Income Tax)

	Intrastate			Interstate Toll	Total Chicago
	Exchange	Toll	Total		
Total Revenues	$50,887,881	$5,366,875	$56,254,756	$7,535,843	$63,790,599
Total Current Mtce., Traffic, Com'l., General and Miscellaneous Expenses	28,872,149	2,885,913	31,758,062	3,698,920	35,456,982
Depreciation	8,251,465	661,778	8,913,243	1,188,291	10,101,534
Taxes	6,630,453	643,291	7,273,744	906,434	* 8,180,178
Other Expenses and Deductions	507,160	127,315	634,475	103,179	737,654
Total Expenses	44,261,227	4,318,297	48,579,524	5,896,824	54,476,348
Balance	6,626,654	1,048,578	7,675,232	1,639,019	9,314,251
Net compensation to Chicago for use of Chicago properties for "Other than Chicago" purposes and use of State Area properties for Chicago purposes	236,661	.....	236,661	.....	236,661
Balance Available for Return under present rates	6,863,315	1,048,578	7,911,893	1,639,019	9,550,912
Less reduction under rates in suit	1,396,167	37,577	1,433,744	17,120	1,450,864
Balance Available for Return under rates in suit	5,467,148	1,011,001	6,478,149	1,621,899	8,100,048
Per Cent of Return under					
(a) Present Rates based on Average Reproduction Cost New Less Depreciation, etc.	3.24%	6.04%	3.46%	6.97%	3.78%
(a) Present Rates based on Average Book Cost	4.08%	7.66%	4.35%	8.91%	4.77%
(b) Rates in Suit based on Average Reproduction Cost New Less Depreciation, etc.	2.58%	5.83%	2.83%	6.90%	3.21%
(b) Rates in Suit based on Average Book Cost	3.25%	7.39%	3.56%	8.82%	4.04%

* Represents actual payments for those taxes which have been paid and the latest estimate of unpaid taxes for the Year—1931 applicable to above operations after adjusting Federal Income Tax for difference between Depreciation, etc., Expense based on book costs and reproduction cost new, and is $132,545 less than the total amount accrued on the books for all taxes during that period.

[fol. 3235] EXHIBIT A-193

Western Electric Company, Inc., Pension Fund

Comparison of Charges to Operating Costs with Required Contributions, 1916 to 1931

(Dollars in Thousands)

	Charges to Operating Costs	Required Contributions (Column C, Exhibits A147 and A148)	Excess of Required Contributions Over Charges to Operating Costs
1916	$40	$606	$566
1917	36	876	840
1918	35	964	929
1919	45	981	936
1920	51	1,524	1,473
1921	63	1,968	1,905
1922	67	2,221	2,154
1923	72	2,884	2,812
1924	2,075	3,179	1,104
1925	3,577	2,511	(1,066)
1926	5,069	2,741	(2,328)
1927	4,985	2,793	(2,192)
1928	2,461	3,062	601
1929	3,948	4,626	678
1930	4,032	4,689	657
1931	2,791	3,267	476
Total	$29,347	$38,892	$9,545
Total 1923-1931	29,010	29,752	742

Required Pension Reserve, Dec. 31, 1931 (Column G, Exhibit A147)	$59,027
Actual Fund, Dec. 31, 1931	34,990

[fol. 3236]

EXHIBIT A-194

Earnings of the Western Electric Company on Bell Business Expressed in Percentages of Sales and in Percentage of (a) Average Investment and (b) Average Investment Less Amount of Depreciation Reserve Account, 1916 to 1932, Inclusive

(Dollars in Thousands)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	Sales	Earnings	Per Cent Earnings to Sales (b ÷ a)	Average Investment	Per Cent Earnings to Average Investment (b ÷ d)	Average Investment Less Amount of Deprec. Reserve Account	Per Cent Earnings to Average Investment Less amount of Deprec. Reserve Account (b ÷ f)
1916	$73,915	$2,140	2.9	$46,112	4.6	$36,167	5.9
1917	104,682	2,525	2.4	66,184	3.8	53,885	4.7
1918	79,217	2,421	3.1	70,685	3.4	56,047	4.3
1919	80,361	2,687	3.3	69,939	3.8	54,584	4.9
1920	130,712	4,855	3.7	98,914	4.9	79,956	6.1
1921	142,885	11,138	7.8	125,330	8.9	102,361	10.9
1922	159,957	6,362	4.0	123,089	5.2	96,490	6.6
1923	188,159	6,192	3.3	131,504	4.7	102,455	6.0
1924	233,300	10,875	4.7	158,488	6.9	124,613	8.7
1925	226,700	16,252	7.2	163,085	10.0	126,995	12.8
1926	247,203	12,551	5.1	160,255	7.8	121,745	10.3
1927	241,062	16,868	7.0	167,371	10.1	122,183	13.8
1928	267,808	17,284	6.5	161,378	10.7	113,560	15.2
1929	372,384	17,372	4.7	204,507	8.5	152,880	11.4
1930	338,830	11,685	3.4	270,556	4.3	206,497	5.7
1931	219,535	10,500	4.8	270,423	3.9	194,624	5.4
1932 (3 Mos. x 4)	151,472	(6,400)	(4.2)	265,253	(2.4)	173,599	(3.7)
Total	3,258,182	145,307	4.5	2,553,073	5.7	1,918,641	7.6
Total 1923 to 1931	2,334,981	119,579	5.1	1,687,567	7.1	1,265,552	9.4
Total 1923 to 1932	2,486,453	113,179	4.6	1,952,820	5.8	1,439,151	7.9